VIDEO
SURVEILLANCE
2017

Comelit®

Comelit®
Passion. Technology. Design.

Deep roots, global vision.

Founded in 1956, Comelit Group SpA is an industrial company operating on a worldwide scale and specialising in the design and manufacture of video entry, video surveillance, anti-intrusion, home automation and access control systems. The company has a strong international vocation thanks to its close ties with the area in which it was created and in which its headquarters are still located today.

An international group.

Comelit exports to over 70 countries worldwide and, **in addition to its Italian headquarters, has 15 branches** located in strategic areas in which the company operates: from Europe to the Far East, the United States and the Middle East. This articulated sales structure integrates shared know-how with the awareness of specific requirements in each market.

Constant innovation, friendly technology.

Comelit constantly makes looking to the future its mission. Innovation through continuous investment in manpower and technology finds an outlet in the design of new solutions dedicated to improving the quality of everyday life by maximising simplicity and functionality.

Design: style, passion, art.

Besides placing technology at the service of mankind, Comelit is also a byword for design. Its unique and original style combines the most hi-tech materials with simple lines, clean shapes and cutting-edge colours. Every Comelit product therefore conveys a new concept for living in a space, in harmony with modern architectural trends.
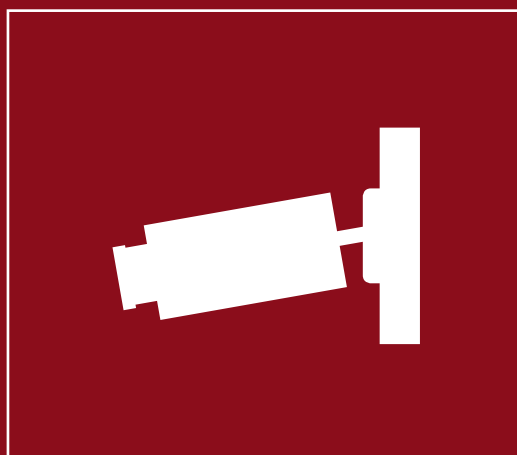
DESIGN
MILANO

reddot design award · GOOD DESIGN · Merlion Awards · DESIGN ADI · DESIGN PLUS powered by: light+building · GERMAN DESIGN AWARD WINNER 2017

Comelit®
Passion.Technology.Design.

VIDEO SURVEILLANCE SOLUTIONS

VIDEO SURVEILLANCE

APPLICATIONS

RESIDENTIAL

AIRPORTS

HOSPITALS

INDUSTRY

MUSEUMS

RAILWAY STATIONS

CITIZEN MONITORING

SHOPPING CENTRES

DEALERSHIPS

SHOPS

CAR PARKS

MOTORWAYS

SYSTEMS

	COAX	HD COAX	IP
TECHNOLOGY	ANALOGUE	HD ANALOGUE	IP
RESOLUTION	960H	HD (720 P) / FULL-HD (1080P) / 3MP	720P / 1080P / 3MP / 4MP / 5MP
DISTANCES	Up to 250mt with RG59 cable Up to 500mt with RG11 cable	HD (720 P): 500 metres with coaxial cable and 200 metres with dedicated passive baluns and UTP cable FULL-HD (1080P) / 3MP: 300 metres with coaxial cable and 100 metres with dedicated passive baluns and UTP cable	Illimitate (network)
APPLICATIONS	New systems Expansion of existing systems Replacement of obsolete systems		New systems Replacement of obsolete systems
RANGE	Coax	AHD 1.0/AHD 2.0/ AHD 3.0	IP EASY/IP100/IP700

EXTENSIVE RANGE

COAX	AHD 1.0	IP EASY	AHD 2.0	AHD 3.0	IP 100	IP 700
Ideal products for scenarios which require easy operation and quick installation, with particular emphasis on costing.			High-end products for the most demanding and technologically advanced installations.			

REMOTE CONTROL

Innovative Comelit technology for remote management allows you to simply and efficiently control what the cameras see.

		AHD 1.0 DVR 720P/960P AHDVR040B AHDVR080B AHDVR160B AHDVR0320A	AHD 3.0 DVR 3MP AHDVR043A AHDVR083A AHDVR163A	AHD 2.0 DVR 1080P AHDVR742B AHDVR782B AHDVR762B	
AHD 1.0 720P/960P CAMERAS	AHCAM683A	■	■	■	
	AHCAM685A	■	■	■	
	AHCAM688A	■	■	■	
	AHCAM606C	■	■	■	
	AHCAM616C	■	■	■	
	AHCAM626C	■	■	■	
	AHCAM636C	■	■	■	
	AHCAM607C	■	■	■	
	AHCAM617C	■	■	■	
	AHCAM637C	■	■	■	
	AHCAM696A	■	■	■	
	AHCAM697A	■	■	■	
	AHCAM631A	■	■	■	
	AHPTZ122IRA	■	■	■	
AHD 2.0 1080P CAMERAS	AHCAM608B	■	■	■	
	AHCAM618B	■	■	■	
	AHCAM618ZA	■	■	■	
	AHCAM618AWDR	■	■	■	
	AHCAM628B	■	■	■	
	AHCAM638B	■	■	■	
	AHCAM638ZA	■	■	■	
	AHCAM638AWDR	■	■	■	
	AHCAM633A	■	■	■	
	AHPTZ10IRB	■		■	
	AHCAM700A		■	■	
	AHCAM702A		■	■	
	AHCAM722A		■	■	
	AHCAM727A			■	
	AHPTZ779A		■ RS485 only	■	
AHD 3.0 3MP CAMERAS	AHCAM609A		■		
	AHCAM619ZA		■		
	AHCAM629A		■		
	AHCAM639ZA		■		
IP EASY SERIES CAMERAS	IPCAM010B	■	■		
	IPCAM020A	■	■		
	IPCAM061A	■	■		
	IPCAM062A	■	■		
	IPCAM066B	■	■		
	IPCAM067A	■	■		
	IPCAM068A	■	■		
	IPCAM069A	■	■		
	IPCAM040A				
	IPCAM064A				
	IPCAM074A				
	IPCAM084A				
	IPCAM050A				
	IPCAM065A				
	IPFE071A				
	IPFE073A				
IP 100 SERIES CAMERAS	IPCAM101D				
	IPCAM102B				
	IPCAM152A				
	IPCAM161C				
	IPCAM162A				
	IPCAM1622A				
	IPCAM166D				
	IPCAM167A				
	IPCAM168A				
	IPCAM169A				
	IPCAM163A				
	IPCAM1638A				
	IPCAM165A				
	IPCAM183A				
	IPCAM1838A				
	IPCAM185A				
	IPPTZ110IRA				
	IPPTZ120IRD				
	IPPTZ130IRB				
	WICAM101A				
	WICAM161A				
	WICAM166A				
	WICAM191A				
IP 700 SERIES CAMERAS	IPCAM703A				
	IPCAM753ZA				
	IPCAM755ZA				
	IPCAM742B				
	IPCAM723A				
	IPCAM768ZA				
	IPCAM769ZA				
	IPPTZ773B				
	IPPTZ779C				
ANPR CAMERAS	ANPR922M3M				

	NVR EASY SERIES			NVR 100 SERIES		NVR 700 SERIES
	IPNVR004BPOE	IPNVR006A	IPNVR045A	IPNVR104EPOE	IPNVR116D	IPNVR704C
	IPNVR008BPOE	IPNVR036A	IPNVR085B	IPNVR108DPOE	IPNVR125D	IPNVR708C
			IPNVR065A		IPNVR136D	IPNVR746C
					IPNVR164D	IPNVR716A
						IPNVR732A

■ IPNVR045A-IPNVR085B only
■ IPNVR045A-IPNVR085B only

GUIDE TO CHOOSING A CAMERA
GUIDE TO VIDEO SURVEILLANCE

FIXED LENS

DISTANCE M		MONITORING	DETECTION	OBSERVATION	RECOGNITION	IDENTIFYING	VERIFICATION
HEIGHT		5%	10%	25%	50%	100%	400%
PIXEL/M		12.5	25	62.5	125	250	1000
2	AHCAM683A	■	■	■	■	■	
	AHCAM685A	■	■	■	■	■	
	AHCAM688A	■	■	■	■	■	
	AHCAM606C	■	■	■	■	■	
	AHCAM626C	■	■	■	■	■	
	AHCAM607C	■	■	■	■	■	
	AHCAM627C	■	■	■	■	■	
	AHCAM608B	■	■	■	■	■	
	AHCAM628B	■	■	■	■	■	
	AHCAM609A	■	■	■	■	■	
	AHCAM629A	■	■	■	■	■	
	AHCAM700A	■	■	■	■	■	
	AHCAM722A	■	■	■	■	■	
	IPCAM010B	■	■	■	■	■	
	IPCAM066B	■	■	■	■	■	
	IPCAM020A	■	■	■	■	■	
	IPCAM067A	■	■	■	■	■	
	IPCAM040A	■	■	■	■	■	
	IPCAM074A	■	■	■	■	■	
	IPCAM050A	■	■	■	■	■	
	IPCAM101D	■	■	■	■	■	
	IPCAM166D	■	■	■	■	■	
	IPCAM102B	■	■	■	■	■	
	IPCAM167A	■	■	■	■	■	
	WICAM101A	■	■	■	■	■	
	WICAM166A	■	■	■	■	■	
	WICAM191A	■	■	■	■	■	
	IPCAM703A	■	■	■	■	■	
	IPCAM723A	■	■	■	■	■	
5	AHCAM683A	■	■	■	■		
	AHCAM685A	■	■	■	■		
	AHCAM688A	■	■	■	■		
	AHCAM606C	■	■	■	■		
	AHCAM626C	■	■	■	■		
	AHCAM607C	■	■	■	■		
	AHCAM627C	■	■	■	■		
	AHCAM608B	■	■	■	■		
	AHCAM628B	■	■	■	■		
	AHCAM609A	■	■	■	■		
	AHCAM629A	■	■	■	■		
	AHCAM700A	■	■	■	■		
	AHCAM722A	■	■	■	■		
	IPCAM010B	■	■	■	■		
	IPCAM066B	■	■	■	■		
	IPCAM020A	■	■	■	■		
	IPCAM067A	■	■	■	■		
	IPCAM040A	■	■	■	■	■	
	IPCAM074A	■	■	■	■	■	
	IPCAM050A	■	■	■	■	■	
	IPCAM101D	■	■	■	■		
	IPCAM166D	■	■	■	■		
	IPCAM102B	■	■	■	■		
	IPCAM167A	■	■	■	■		
	WICAM101A	■	■	■	■		
	WICAM166A	■	■	■	■		
	WICAM191A	■	■	■	■		
	IPCAM703A	■	■	■	■		
	IPCAM723A	■	■	■	■		
10	AHCAM683A	■	■	■			
	AHCAM685A	■	■	■			
	AHCAM688A	■	■	■			
	AHCAM606C	■	■	■			
	AHCAM626C	■	■	■			
	AHCAM607C	■	■	■			
	AHCAM627C	■	■	■			
	AHCAM608B	■	■	■			
	AHCAM628B	■	■	■			
	AHCAM609A	■	■	■			
	AHCAM629A	■	■	■			
	AHCAM700A	■	■	■			
	AHCAM722A	■	■	■			
	IPCAM010B	■	■	■			
	IPCAM066B	■	■	■			

DISTANCE M		MONITORING	DETECTION	OBSERVATION	RECOGNITION	IDENTIFYING	VERIFICATION
	HEIGHT	5%	10%	25%	50%	100%	400%
	PIXEL/M	12.5	25	62.5	125	250	1000
10	IPCAM020A	■	■	■			
	IPCAM067A	■	■	■			
	IPCAM040A	■	■	■	■		
	IPCAM074A	■	■	■	■		
	IPCAM050A	■	■	■	■		
	IPCAM101D	■	■	■			
	IPCAM166D	■	■	■			
	IPCAM102B	■	■	■			
	IPCAM167A	■	■	■			
	WICAM101A	■	■	■			
	WICAM166A	■	■	■			
	WICAM191A	■	■	■			
	IPCAM703A	■	■	■			
	IPCAM723A	■	■	■			
20	AHCAM683A	■	■				
	AHCAM685A	■	■				
	AHCAM688A	■	■				
	AHCAM606C	■	■				
	AHCAM626C	■	■				
	AHCAM607C	■	■				
	AHCAM627C	■	■				
	AHCAM608B	■	■				
	AHCAM628B	■	■				
	AHCAM609A	■	■				
	AHCAM629A	■	■				
	AHCAM700A	■	■				
	AHCAM722A	■	■				
	IPCAM010B	■	■				
	IPCAM066B	■	■				
	IPCAM020A	■	■				
	IPCAM067A	■	■				
	IPCAM040A	■	■	■			
	IPCAM074A	■	■	■			
	IPCAM050A	■	■	■			
	IPCAM101D	■	■				
	IPCAM166D	■	■				
	IPCAM102B	■	■				
	IPCAM167A	■	■				
	WICAM101A	■	■				
	WICAM166A	■	■				
	WICAM191A	■	■				
	IPCAM703A	■	■				
	IPCAM723A	■	■				
50	AHCAM683A	■					
	AHCAM685A	■					
	AHCAM688A	■					
	AHCAM606C	■					
	AHCAM626C	■					
	AHCAM607C	■					
	AHCAM627C	■					
	AHCAM608B	■					
	AHCAM628B	■					
	AHCAM609A	■					
	AHCAM629A	■					
	AHCAM700A	■					
	AHCAM722A	■					
	IPCAM010B	■					
	IPCAM066B	■					
	IPCAM020A	■					
	IPCAM067A	■					
	IPCAM040A	■	■				
	IPCAM074A	■	■				
	IPCAM050A	■	■				
	IPCAM101D	■					
	IPCAM166D	■					
	IPCAM102B	■					
	IPCAM167A	■					
	WICAM101A	■					
	WICAM166A	■					
	WICAM191A	■					
	IPCAM703A	■					
	IPCAM723A	■					

GUIDE TO CHOOSING A CAMERA
GUIDE TO VIDEO SURVEILLANCE

DISTANCE M	HEIGHT	MONITORING 5%	DETECTION 10%	OBSERVATION 25%	RECOGNITION 50%	IDENTIFYING 100%	VERIFICATION 400%
	PIXEL/M	12.5	25	62.5	125	250	1000
2-5	AHCAM617C	■	■	■	■	■	
	AHCAM637C	■	■	■	■	■	
	AHCAM697A	■	■	■	■	■	
	AHCAM631A	■	■	■	■	■	
	AHCAM696A	■	■	■	■	■	■
	AHCAM618B	■	■	■	■	■	
	AHCAM618ZA	■	■	■	■	■	
	AHCAM618AWDR	■	■	■	■	■	
	AHCAM619ZA	■	■	■	■	■	
	AHCAM638B	■	■	■	■	■	
	AHCAM638ZA	■	■	■	■	■	
	AHCAM638AWDR	■	■	■	■	■	
	AHCAM639ZA	■	■	■	■	■	
	AHCAM633A	■	■	■	■	■	
	AHCAM702A	■	■	■	■	■	
	AHCAM727A	■	■	■	■	■	
	AHPTZ10IRB	■	■	■	■	■	■
	AHPTZ122IRA	■	■	■	■	■	■
	AHPTZ779A	■	■	■	■	■	■
	IPCAM061A	■	■	■	■	■	
	IPCAM068A	■	■	■	■	■	
	IPCAM062A	■	■	■	■	■	
	IPCAM069A	■	■	■	■	■	
	IPCAM064A	■	■	■	■	■	■
	IPCAM084A	■	■	■	■	■	■
	IPCAM065A	■	■	■	■	■	■
	IPCAM161C	■	■	■	■	■	
	IPCAM162A	■	■	■	■	■	
	IPCAM1622A	■	■	■	■	■	
	IPCAM168A	■	■	■	■	■	
	IPCAM169A	■	■	■	■	■	
	IPCAM163A	■	■	■	■	■	
	IPCAM1638A	■	■	■	■	■	
	IPCAM183A	■	■	■	■	■	
	IPCAM1838A	■	■	■	■	■	
	IPCAM165A	■	■	■	■	■	■
	IPCAM185A	■	■	■	■	■	■
	IPPTZ110IRA	■	■	■	■	■	■
	IPPTZ120IRD	■	■	■	■	■	■
	IPPTZ130IRB	■	■	■	■	■	■
	IPCAM753ZA	■	■	■	■	■	
	IPCAM755ZA	■	■	■	■	■	■
	IPCAM768ZA	■	■	■	■	■	
	IPCAM769ZA	■	■	■	■	■	■
	IPPTZ773B	■	■	■	■	■	■
	IPPTZ779C	■	■	■	■	■	■
5-10	AHCAM617C	■	■	■	■	■	
	AHCAM637C	■	■	■	■	■	
	AHCAM697A	■	■	■	■	■	
	AHCAM631A	■	■	■	■	■	
	AHCAM696A	■	■	■	■	■	■
	AHCAM618B	■	■	■	■	■	
	AHCAM618ZA	■	■	■	■	■	
	AHCAM618AWDR	■	■	■	■	■	
	AHCAM619ZA	■	■	■	■	■	
	AHCAM638B	■	■	■	■	■	
	AHCAM638ZA	■	■	■	■	■	
	AHCAM638AWDR	■	■	■	■	■	
	AHCAM639ZA	■	■	■	■	■	
	AHCAM633A	■	■	■	■	■	
	AHCAM702A	■	■	■	■	■	
	AHCAM727A	■	■	■	■	■	
	AHPTZ10IRB	■	■	■	■	■	■
	AHPTZ122IRA	■	■	■	■	■	■
	AHPTZ779A	■	■	■	■	■	■
	IPCAM061A	■	■	■	■	■	
	IPCAM068A	■	■	■	■	■	
	IPCAM062A	■	■	■	■	■	
	IPCAM069A	■	■	■	■	■	
	IPCAM064A	■	■	■	■	■	
	IPCAM084A	■	■	■	■	■	
	IPCAM065A	■	■	■	■	■	
	IPCAM161C	■	■	■	■	■	

DISTANCE M		MONITORING	DETECTION	OBSERVATION	RECOGNITION	IDENTIFYING	VERIFICATION
	HEIGHT	5%	10%	25%	50%	100%	400%
	PIXEL/M	12.5	25	62.5	125	250	1000
5-10	IPCAM162A	■	■	■	■	■	
	IPCAM1622A	■	■	■	■	■	
	IPCAM168A	■	■	■	■	■	
	IPCAM169A	■	■	■	■	■	
	IPCAM163A	■	■	■	■	■	
	IPCAM1638A	■	■	■	■	■	
	IPCAM183A	■	■	■	■	■	
	IPCAM1838A	■	■	■	■	■	
	IPCAM165A	■	■	■	■	■	
	IPCAM185A	■	■	■	■	■	
	IPPTZ110IRA	■	■	■	■	■	■
	IPPTZ120IRD	■	■	■	■	■	■
	IPPTZ130IRB	■	■	■	■	■	■
	IPCAM753ZA	■	■	■	■	■	
	IPCAM755ZA	■	■	■	■	■	
	IPCAM768ZA	■	■	■	■	■	
	IPCAM769ZA	■	■	■	■	■	
	IPPTZ773B	■	■	■	■	■	■
	IPPTZ779C	■	■	■	■	■	■
10-20	AHCAM617C	■	■	■	■		
	AHCAM637C	■	■	■	■		
	AHCAM697A	■	■	■	■		
	AHCAM631A	■	■	■	■		
	AHCAM696A	■	■	■	■	■	
	AHCAM618B	■	■	■	■		
	AHCAM618ZA	■	■	■	■		
	AHCAM618AWDR	■	■	■	■		
	AHCAM619ZA	■	■	■	■		
	AHCAM638B	■	■	■	■		
	AHCAM638ZA	■	■	■	■		
	AHCAM638AWDR	■	■	■	■		
	AHCAM639ZA	■	■	■	■		
	AHCAM633A	■	■	■	■		
	AHCAM702A	■	■	■	■		
	AHCAM727A	■	■	■	■		
	AHPTZ10IRB	■	■	■	■	■	
	AHPTZ122IRA	■	■	■	■	■	■
	AHPTZ779A	■	■	■	■	■	■
	IPCAM061A	■	■	■	■		
	IPCAM068A	■	■	■	■		
	IPCAM062A	■	■	■	■		
	IPCAM069A	■	■	■	■		
	IPCAM064A	■	■	■	■		
	IPCAM084A	■	■	■	■		
	IPCAM065A	■	■	■	■		
	IPCAM161C	■	■	■	■		
	IPCAM162A	■	■	■	■		
	IPCAM1622A	■	■	■	■		
	IPCAM168A	■	■	■	■		
	IPCAM169A	■	■	■	■		
	IPCAM163A	■	■	■	■		
	IPCAM1638A	■	■	■	■		
	IPCAM183A	■	■	■	■		
	IPCAM1838A	■	■	■	■		
	IPCAM165A	■	■	■	■		
	IPCAM185A	■	■	■	■		
	IPPTZ110IRA	■	■	■	■	■	
	IPPTZ120IRD	■	■	■	■	■	■
	IPPTZ130IRB	■	■	■	■	■	■
	IPCAM753ZA	■	■	■	■		
	IPCAM755ZA	■	■	■	■		
	IPCAM768ZA	■	■	■	■		
	IPCAM769ZA	■	■	■	■		
	IPPTZ773B	■	■	■	■	■	■
	IPPTZ779C	■	■	■	■	■	■

VARIFOCAL 2 OF 2

DISTANCE M		MONITORING	DETECTION	OBSERVATION	RECOGNITION	IDENTIFYING	VERIFICATION
	HEIGHT	5%	10%	25%	50%	100%	400%
	PIXEL/M	12.5	25	62.5	125	250	1000
20-50	AHCAM617C	■	■				
	AHCAM637C	■	■				
	AHCAM697A	■	■				
	AHCAM631A	■	■				
	AHCAM696A	■	■	■	■		
	AHCAM618B	■	■	■			
	AHCAM618ZA	■	■	■			
	AHCAM618AWDR	■	■	■			
	AHCAM619ZA	■	■	■			
	AHCAM638B	■	■	■			
	AHCAM638ZA	■	■	■			
	AHCAM638AWDR	■	■	■			
	AHCAM639ZA	■	■	■			
	AHCAM633A	■	■	■			
	AHCAM702A	■	■	■			
	AHCAM727A	■	■	■			
	AHPTZ10IRB	■	■	■	■	■	
	AHPTZ122IRA	■	■	■	■	■	
	AHPTZ779A	■	■	■	■	■	
	IPCAM061A	■	■				
	IPCAM068A	■	■				
	IPCAM062A	■	■	■			
	IPCAM069A	■	■	■			
	IPCAM064A	■	■	■			
	IPCAM084A	■	■	■			
	IPCAM065A	■	■	■			
	IPCAM161C	■	■	■			
	IPCAM162A	■	■	■			
	IPCAM1622A	■	■	■			
	IPCAM168A	■	■	■			
	IPCAM169A	■	■	■			
	IPCAM163A	■	■	■			
	IPCAM1638A	■	■	■			
	IPCAM183A	■	■	■			
	IPCAM1838A	■	■	■			
	IPCAM165A	■	■	■			
	IPCAM185A	■	■	■			
	IPPTZ110IRA	■	■	■	■	■	
	IPPTZ120IRD	■	■	■	■	■	
	IPPTZ130IRB	■	■	■	■	■	
	IPCAM753ZA	■	■	■			
	IPCAM755ZA	■	■	■			
	IPCAM768ZA	■	■	■			
	IPCAM769ZA	■	■	■			
	IPPTZ773B	■	■	■	■	■	
	IPPTZ779C	■	■	■	■	■	

| DISTANCE M	HEIGHT	MONITORING 5%	DETECTION 10%	OBSERVATION 25%	RECOGNITION 50%	IDENTIFYING 100%	VERIFICATION 400%
	PIXEL/M	12.5	25	62.5	125	250	1000
50-80	AHCAM617C	■	■				
	AHCAM637C	■	■				
	AHCAM697A	■	■				
	AHCAM631A	■	■				
	AHCAM696A	■	■	■	■		
	AHCAM618B	■	■				
	AHCAM618ZA	■	■				
	AHCAM618AWDR	■	■				
	AHCAM619ZA	■	■				
	AHCAM638B	■	■				
	AHCAM638ZA	■	■				
	AHCAM638AWDR	■	■				
	AHCAM639ZA	■	■				
	AHCAM633A	■	■				
	AHCAM702A	■	■				
	AHCAM727A	■	■				
	AHPTZ10IRB	■	■	■	■		
	AHPTZ122IRA	■	■	■	■	■	
	AHPTZ779A	■	■	■	■	■	
	IPCAM061A	■	■				
	IPCAM068A	■	■				
	IPCAM062A	■	■				
	IPCAM069A	■	■				
	IPCAM064A	■	■	■			
	IPCAM084A	■	■	■			
	IPCAM065A	■	■	■			
	IPCAM161C	■	■				
	IPCAM162A	■	■				
	IPCAM1622A	■	■				
	IPCAM168A	■	■				
	IPCAM169A	■	■				
	IPCAM163A	■	■				
	IPCAM1638A	■	■				
	IPCAM183A	■	■				
	IPCAM1838A	■	■				
	IPCAM165A	■	■				
	IPCAM185A	■	■				
	IPPTZ110IRA	■	■	■	■		
	IPPTZ120IRD	■	■	■	■	■	
	IPPTZ130IRB	■	■	■	■	■	
	IPCAM753ZA	■	■				
	IPCAM755ZA	■	■				
	IPCAM768ZA	■	■				
	IPCAM769ZA	■	■				
	IPPTZ773B	■	■	■	■	■	
	IPPTZ779C	■	■	■	■	■	

APPLICATION EXAMPLE
VILLA

VIDEO SURVEILLANCE SYSTEM CONSISTING OF:

- 4 Cameras to control the external perimeter
- Video recording equipment
- Monitor for displaying images
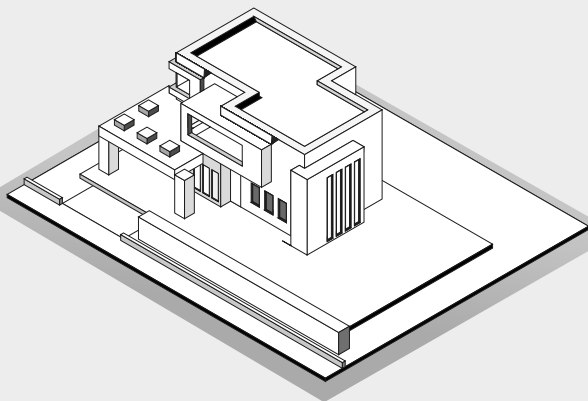
IP EASY SOLUTION

Art.	Description	Q.ty
IPCAM062A	FULL-HD BULLET IP CAMERA, 2.8-12 MM, IR 25M, IP66	4
IPNVR004BPOE	NVR W/4 INPUTS, FULL-HD IP POE, 2TB HDD	1
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	1

MMON185A

ROUTER

IPNVR004BPOE

IPCAM062A

IPCAM062A

IPCAM062A

IPCAM062A
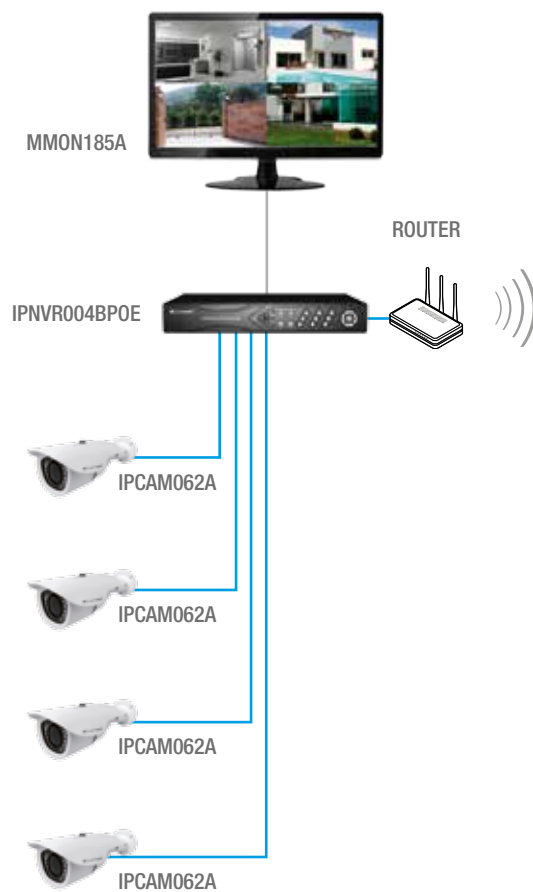
—— **LAN cable**

AHD 1.0 SOLUTION

Art.	Description	Q.ty
AHCAM617C	AHD HD BULLET CAMERA, 2.8-12 MM, IR 30 M, IP66	4
43082	POWER SUPPLY, JACK CONN., INPUT 230VAC, OUTPUT 12VDC/1.33A	4
AHDVR040B	4-HYBRID DVR, 4 HD INPUTS, 100 FPS, 1TB HDD	1
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	1
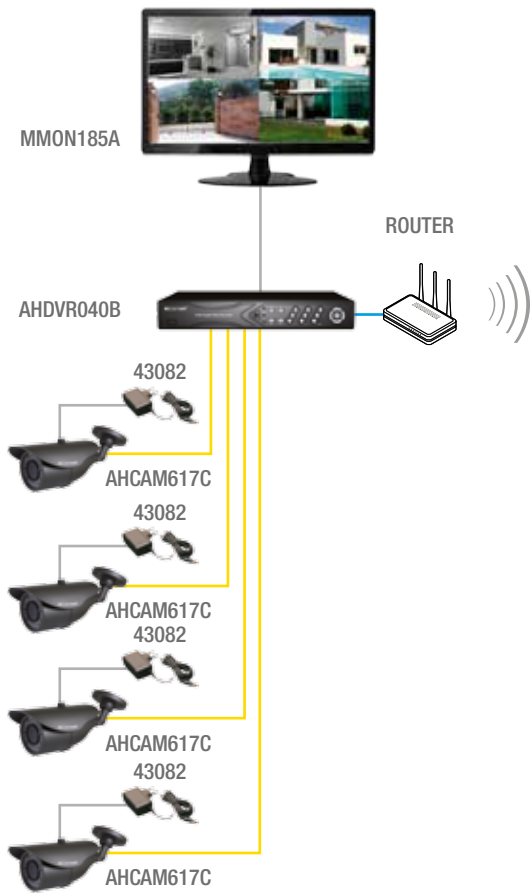
AHD 2.0 SOLUTION

Art.	Description	Q.ty
AHCAM619ZA	AHD BULLET CAMERA 3MP, ZOOM 2.8-12MM, IR 35M	4
43082	POWER SUPPLY, JACK CONN., INPUT 230VAC, OUTPUT 12VDC/1.33A	4
AHDVR043A	5-HYBRID DVR, 4 3MP INPUTS, 1TB HDD	1
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	1

MMON185A — ROUTER — AHDVR040B — 43082 — AHCAM617C — 43082 — AHCAM617C — 43082 — AHCAM617C — 43082 — AHCAM617C

MMON185A — ROUTER — AHDVR043A — 43082 — AHCAM619ZA — 43082 — AHCAM619ZA — 43082 — AHCAM619ZA — 43082 — AHCAM619ZA

Coaxial cable
LAN cable

Coaxial cable
LAN cable
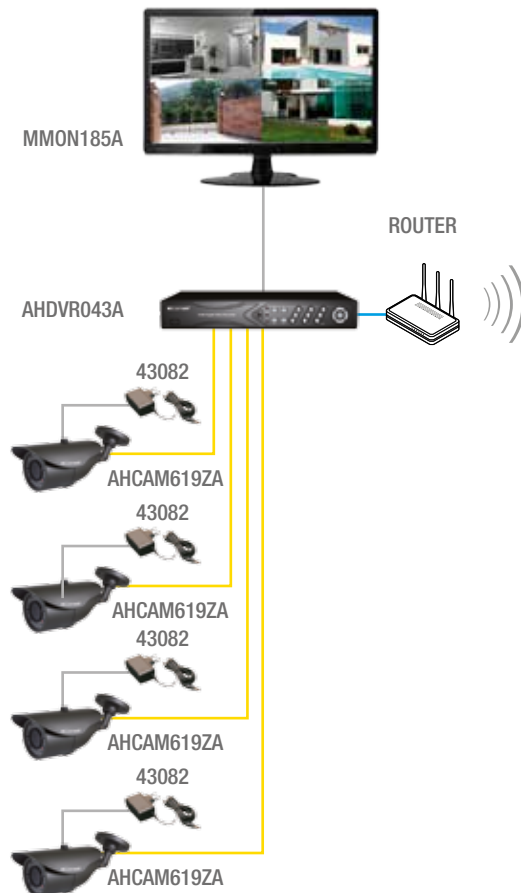
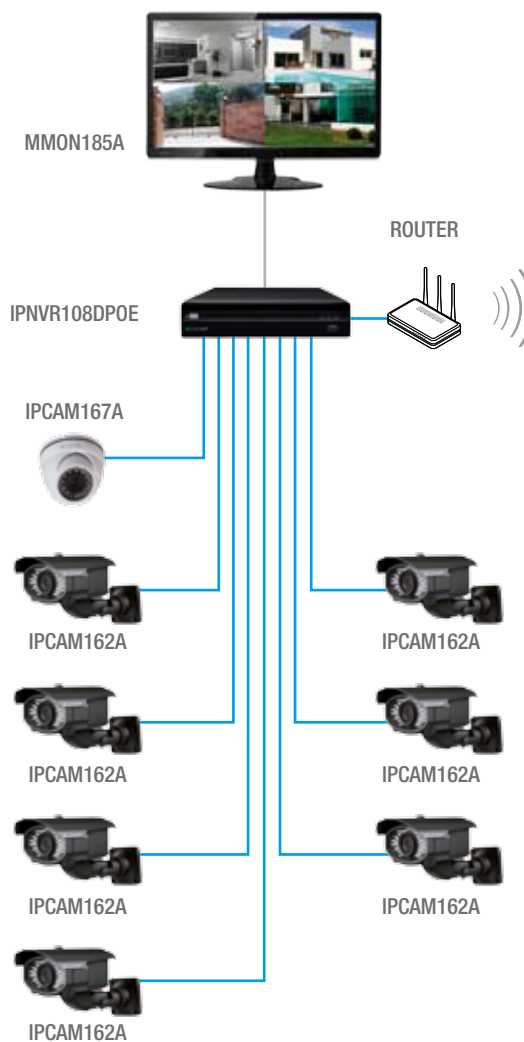# APPLICATION EXAMPLE
SERVICE STATION

VIDEO SURVEILLANCE SYSTEM CONSISTING OF:

- 7 Cameras to control Gas pumps and entry/exit road
- 1 Camera to control the store cash
- Video recording equipment
- Monitor for displaying images
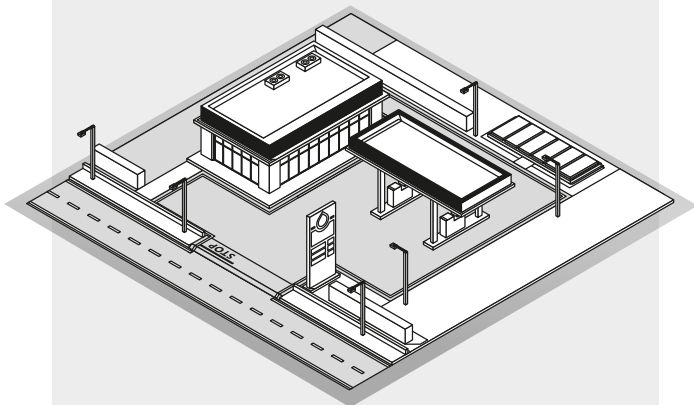
IP 100 SOLUTION

Art.	Description	Q.ty
IPCAM167A	FULL-HD MINIDOME IP CAMERA, 3.6 MM, IR 15 M, IP65	1
IPCAM162A	FULL-HD BULLET IP CAMERA, 2.8-12MM, IR 50M, IP66	7
IPNVR108DPOE	NVR W/8 IP INPUTS, FULL-HD POE, 1TB HDD	1
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	1

MMON185A

ROUTER

IPNVR108DPOE

IPCAM167A

IPCAM162A

IPCAM162A

IPCAM162A

IPCAM162A

IPCAM162A

IPCAM162A

IPCAM162A

LAN cable

AHD 1.0 SOLUTION

Art.	Description	Q.ty
AHCAM627C	AHD HD MINIDOME CAMERA, 3.6 MM, IR 25 M, IP66	1
AHCAM617C	AHD HD BULLET CAMERA, 2.8-12 MM, IR 30 M, IP66	7
43082	POWER SUPPLY, JACK CONN., INPUT 230VAC, OUTPUT 12VDC/1.33A	8
AHDVR080B	4-HYBRID DVR, 8 HD INPUTS, 200 FPS, 1TB HDD	1
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	1
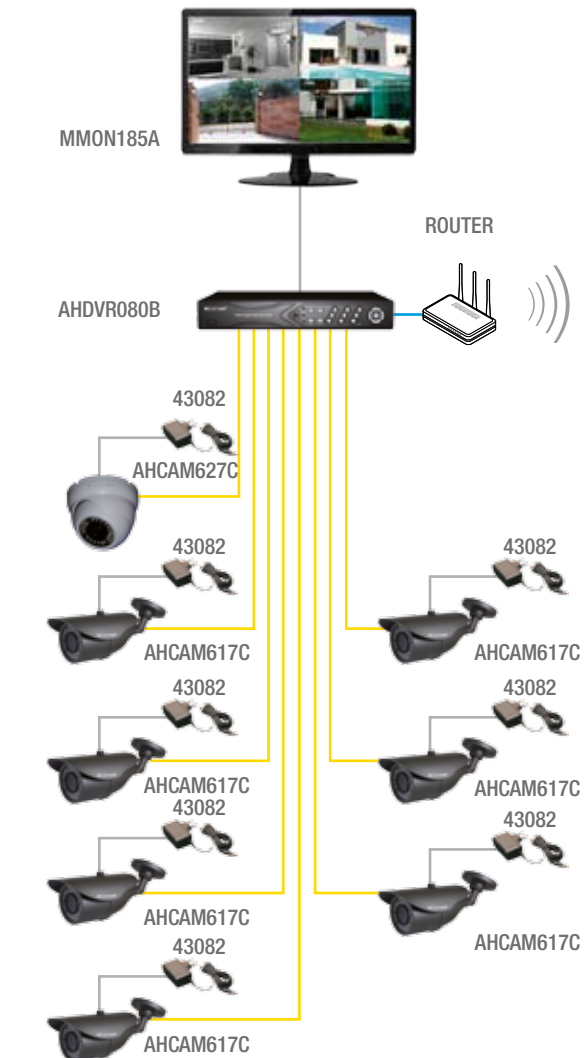
AHD 3.0 SOLUTION

Art.	Description	Q.ty
AHCAM629A	AHD MINIDOME CAMERA 3MP, 3.6MM, IR 25M, IP66	1
AHCAM619ZA	AHD BULLET CAMERA 3MP, ZOOM 2.8-12MM, IR 35M	7
43082	POWER SUPPLY, JACK CONN., INPUT 230VAC, OUTPUT 12VDC/1.33A	8
AHDVR083A	5-HYBRID DVR, 8 3MP INPUTS, 1TB HDD	1
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	1
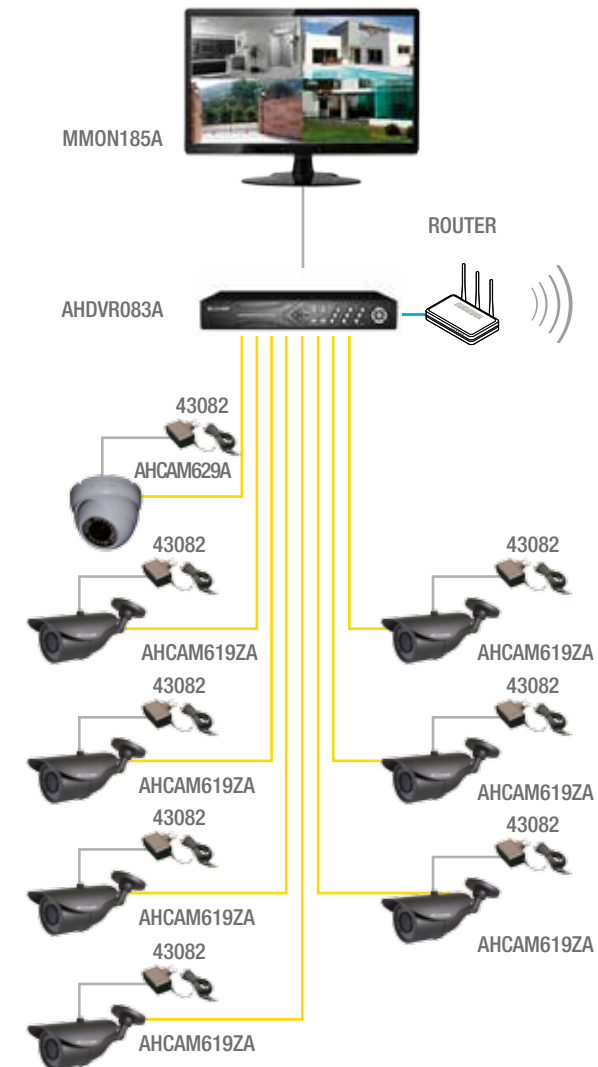
MMON185A

ROUTER

AHDVR080B

43082

AHCAM627C

43082

AHCAM617C

43082

AHCAM617C
43082

AHCAM617C
43082

AHCAM617C

43082

AHCAM617C

43082

AHCAM617C
43082

AHCAM617C

MMON185A

ROUTER

AHDVR083A

43082

AHCAM629A

43082

AHCAM619ZA

43082

AHCAM619ZA

43082

AHCAM619ZA

43082

AHCAM619ZA

43082

AHCAM619ZA
43082

AHCAM619ZA
43082

AHCAM619ZA

— Coaxial cable
— LAN cable

— Coaxial cable
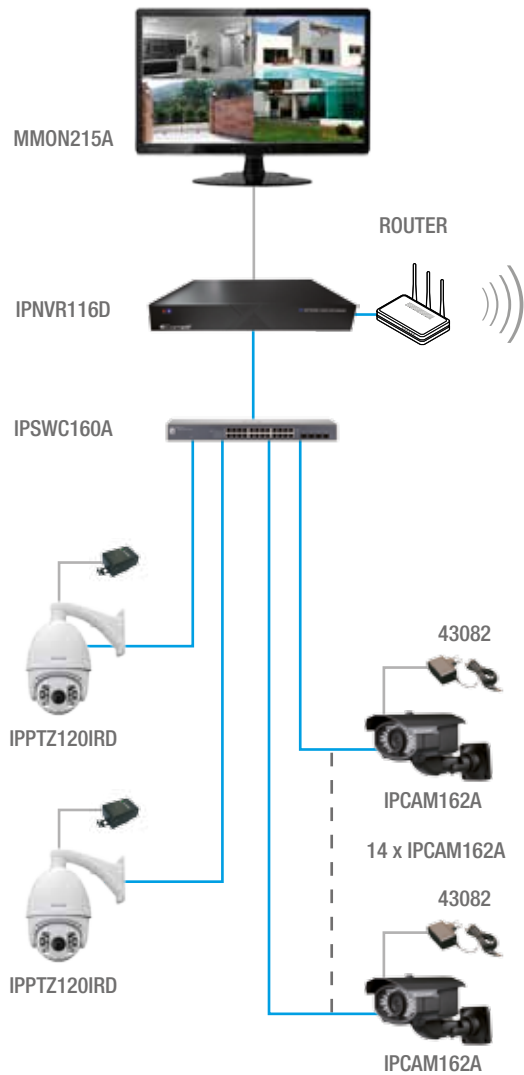— LAN cable

APPLICATION EXAMPLE
INDUSTRIAL BUILDING

VIDEO SURVEILLANCE SYSTEM CONSISTING OF:

- 14 Cameras to control perimeter and loading/unloading areas
- 2 PTZ cameras to control the area
- Video recording equipment
- Monitor for displaying images
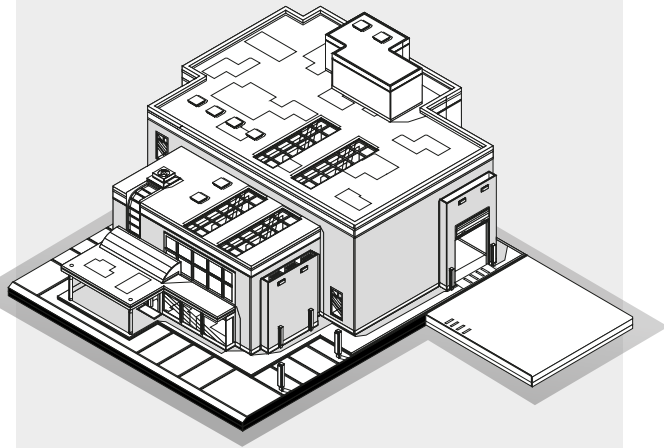
IP 100 SOLUTION

Art.	Description	Q.ty
IPPTZ120IRD	CAMERA IP PTZ FULL-HD, ZOOM 20X, IR 150M, IP66	2
IPCAM162A	FULL-HD BULLET IP CAMERA, 2.8-12MM, IR 50M, IP66	14
43082	POWER SUPPLY, JACK CONN., INPUT 230VAC, OUTPUT 12VDC/1.33A	14
IPNVR116D	NVR W/16 IP INPUTS 5MP, 1TB HDD	1
IPSWC160A	NETWORK SWITCH, GIGABIT, 16 PORTS	1
MMON215A	21.5" LED MONITOR, VGA, HDMI, AUDIO, FULL-HD	1

MMON215A

ROUTER

IPNVR116D

IPSWC160A

IPPTZ120IRD

43082

IPCAM162A

14 x IPCAM162A

43082

IPPTZ120IRD

IPCAM162A

———— **LAN cable**

IP 700 SOLUTION

Art.	Description	Q.ty
IPPTZ779C	DOME IP PTZ FULL-HD CAMERA, ZOOM 30X, IR400M, IP66	2
40728	WALL-MOUNTING SUPPORT IPPTZ779C	2
IPCAM703A	3MP BULLET IP CAMERA, 3.7MM, IR 25M, IP67	14
IPNVR746C	NVR W/16 INPUTS, FULL-HD IP POE, 2TB HDD	1
MMON215A	21.5" LED MONITOR, VGA, HDMI, AUDIO, FULL-HD	1
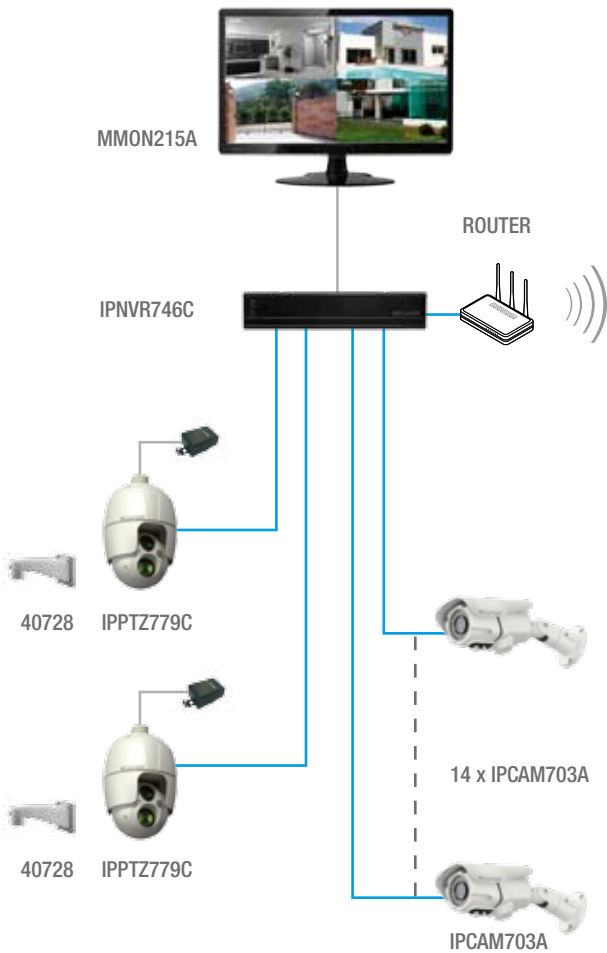
AHD 3.0 SOLUTION

Art.	Description	Q.ty
AHPTZ10IRB	FULL-HD PTZ AHD CAMERA, 10X ZOOM, IR 50M, IP66	2
AHCAM619ZA	AHD BULLET CAMERA 3MP, ZOOM 2.8-12MM, IR 35M	14
43082	POWER SUPPLY, JACK CONN., INPUT 230VAC, OUTPUT 12VDC/1.33A	12
AHDVR163A	5-HYBRID DVR, 16 3MP INPUTS, 2TB HDD	1
MMON215A	21.5" LED MONITOR, VGA, HDMI, AUDIO, FULL-HD	1

MMON215A
ROUTER
IPNVR746C
40728 IPPTZ779C
40728 IPPTZ779C
14 x IPCAM703A
IPCAM703A

LAN cable

MMON215A
ROUTER
AHDVR163A
43082
AHPTZ10IRB
AHCAM619ZA
14 x AHCAM618B
43082
AHPTZ10IRB
AHCAM619ZA

Coaxial cable
LAN cable
RS485

GUIDE TO VIDEO SURVEILLANCE
PRODUCTS CATALOGUE

19

HD ANALOG TECHNOLOGY

IP TECHNOLOGY

PROFESSIONAL RANGE
HD ANALOG TECHNOLOGY

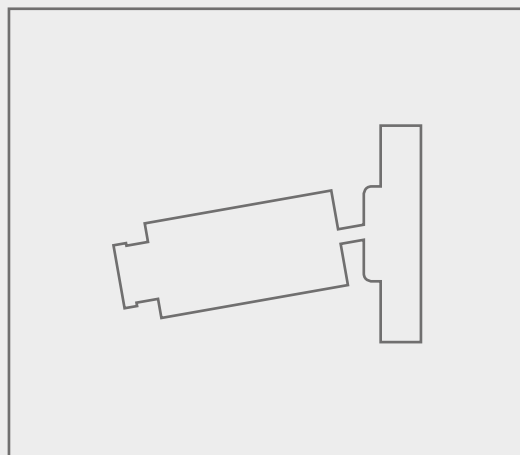## IP TECHNOLOGY

WIFI 5 GHZ TRANSMISSION

WIFI 17 GHZ TRANSMISSION

HARD DISK

MONITOR

POWER SUPPLY UNITS AND ACCESSORIES

PRODUCTS CATALOGUE
VIDEO SURVEILLANCE

HD ANALOG TECHNOLOGY

HD ANALOG TECHNOLOGY

COAX
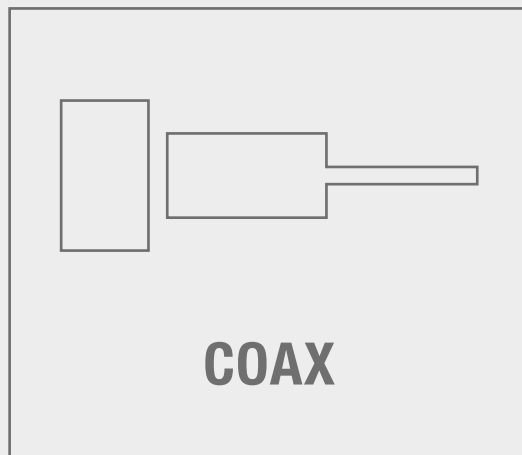
BULLET CAMERAS

		AHCAM606C	AHCAM607C	
MAIN SPECIFICATIONS	Camera sensor	1/4'' CMOS	1/3'' CMOS Sony	
	Camera lens	2.8mm	3.6mm	
	Electronic shutter (s)	1/50÷1/50000	1/25÷1/45000	
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)	
	Signal/noise ratio (dB)	50 (AGC OFF)	50 (AGC OFF)	
	IR filter	Mechanical	Mechanical	
	Video output	AHD / CVBS (960H)	AHD / CVBS (960H)	
	Video resolution (H x V)	1280x720 (HD 720p)	1280x960 (HD 960p)	
FUNCTIONS	Main functions			
	Back light compensation (BLC)			
	Wide Dynamic Range (WDR)			
	Enhanced DNR control			
	White balance control	AWB	AWB	
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	18 led SMD / 25m	18 led SMD / 25m	
	Maximum cable distance RG59 / UTP (m)	500m/200m	500m/200m	
	IP protection grade	IP66	IP66	
GENERAL INFO	Power consumption (max.)	4.8 W	4.8W	
	DC supply voltage	12V	12V	
	Product height (mm)	72	72	
	Product width (mm)	184	184	
	Product depth (mm)	70	70	
	Product weight	530g	530g	
	Case material	Aluminum	Aluminum	
	Housing	Bullet	Bullet	
	Product colour	Dark grey	Dark grey	
	Operating temperature (°C)	-25÷50	-25÷50	
	Operating humidity (%)	85 max	95 max	

	AHCAM617C	AHCAM696A	AHCAM697A
	1/3'' CMOS Sony	1/3'' CMOS Sony	1/3'' CMOS Sony
	2.8÷12mm	5÷50mm	2.8÷12mm
	1/25÷1/45000	1/50÷1/50000	1/50÷1/50000
	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)
	50 (AGC OFF)	50 (AGC OFF)	50 (AGC OFF)
	Mechanical	Mechanical	Mechanical
	AHD / CVBS (960H)	AHD / CVBS (960H)	AHD / CVBS (960H)
	1280x960 (HD 960p)	1280x960 (HD 960p)	1280x960 (HD 960p)
		OSD menu, Defog, Sens-Up (x2 - x30)	OSD menu, Defog, Sens-Up (x2 - x30)
		BLC, HLC	BLC, HLC
		D-WDR	D-WDR
		2DNR, 3DNR	2DNR, 3DNR
	AWB	ATW, AWC, indoor, outdoor, manual	ATW, AWC, indoor, outdoor, manual
	24 led SMD / 35m	72 led / 60m	42 led / 40m
	500m/200m	500m/200m	500m/200m
	IP66	IP66	IP66
	4.5W	8,5W	4,8W
	12V	12V	12V
	97	150	150
	228	105	105
	84	110	110
	650g	1,4Kg	1,4Kg
	Aluminum	Aluminum	Aluminum
	Bullet	Bullet	Bullet
	Dark grey	Dark grey	Dark grey
	-25÷50	-25÷50	-25÷50
	95 max	95max	95max

MINIDOME/PTZ CAMERAS SERIES AHD 1.0

		AHCAM626C	AHCAM627C	
MAIN SPECIFICATIONS	Camera sensor	1/4'' CMOS	1/3'' CMOS Sony	
	Camera lens	2.8mm	3.6mm	
	Electronic shutter (s)	1/50÷1/50000	1/25÷1/45000	
	Camera optical zoom			
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)	
	Signal/noise ratio (dB)	50 (AGC OFF)	50 (AGC OFF)	
	IR filter	Mechanical	Mechanical	
	Video output	AHD / CVBS (960H)	AHD / CVBS (960H)	
	Video resolution (H x V)	1280x720 (HD 720p)	1280x960 (HD 960p)	
FUNCTIONS	Main functions			
	Back light compensation (BLC)			
	Wide Dynamic Range (WDR)			
	Enhanced DNR control			
	White balance control	AWB	AWB	
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	18 led SMD / 25m	18 led SMD / 25m	
	Maximum cable distance RG59 / UTP (m)	500m/200m	500m/200m	
	Vandal Resistant rating (IK code)			
	IP protection grade	IP66	IP66	
GENERAL INFO	Power consumption (max.)	4.8W	3.6W	
	DC supply voltage	12V	12V	
	Product diameter (mm)	94	94	
	Product height (mm)	68.5	68.5	
	Product weight	530g	530g	
	Case material	Aluminum	Aluminum	
	Housing	Minidome	Minidome	
	Product colour	White	White	
	Operating temperature (°C)	-25÷50	-25÷50	
	Operating humidity (%)	85 max	90 max	

	AHCAM637C	AHCAM631A
	1/3'' CMOS Sony	1/3'' CMOS Sony
	2.8÷12mm	2.8÷12mm
	1/25÷1/45000	1/50÷1/50000
	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)
	50 (AGC OFF)	50 (AGC OFF)
	Mechanical	Mechanical
	AHD / CVBS (960H)	AHD / CVBS (960H)
	1280x720 (HD 720p)	1280x720 (HD 720p)
		OSD menu, Sense-Up, Defog
		HLC
		D-WDR
		2DNR, 3DNR
	AWB	AWB
	24 led SMD / 35m	18 led / 15m
	500m/200m	500m/200m
		IK10
	IP66	IP66
	4.8W	4.8W
	12V	12V
	119	128
	82.5	82,5
	700g	700g
	Aluminum	Aluminum
	Minidome	Minidome
	White	White
	-25÷50	-25÷50
	90 max	85max

SPECIALS CAMERAS SERIES AHD 1.0

		AHCAM683A	AHCAM685A	AHCAM688A
MAIN SPECIFICATIONS	Camera sensor	1/3'' CMOS	1/3'' CMOS	1/3'' CMOS
	Camera lens	3.7mm	3.7mm	3.7mm
	Electronic shutter (s)	1/50÷1/50000	1/50÷1/50000	1/50÷1/50000
	Sensitivity (lux)	0.12 (colour)	0.12 (colour)	0.12 (colour)
	Signal/noise ratio (dB)	48 (AGC OFF)	48 (AGC OFF)	48 (AGC OFF)
	Video output	AHD / CVBS (960H)	AHD / CVBS (960H)	AHD
	Video resolution (H x V)	1280x960 (HD 960p)	1280x960 (HD 960p)	1280x960 (HD 960p)
FUNCTIONS	White balance control	AWB	AWB	AWB
HARDWARE SPECIFICATIONS	Maximum cable distance RG59 / UTP (m)	500m/200m	500m/200m	500m/200m
GENERAL INFO	Power consumption (max.)	1.5W	1.5W	1.5W
	DC supply voltage	12V	12V	12V
	Product diameter (mm)		120	
	Product height (mm)	120	55	40
	Product width (mm)	70		40
	Product depth (mm)	45		20
	Product weight	120g	100g	105g
	Case material	Plastic	Plastic	Aluminum
	Housing	PIR	Smoke detector	Pin-hole
	Product colour	White	White	Black
	Operating temperature (°C)	-10÷60	-10÷60	-10÷60
	Operating humidity (%)	85max	85max	85max

HD COAX

DVR SERIES AHD 1.0

		AHDVR040B	AHDVR080B	AHDVR160B	AHDVR0320A
MAIN SPECIFICATIONS	Video inputs	4 (AHD 720p / TVI / CVBS 960H / IP Easy)	8 (AHD 720p / TVI / CVBS 960H / IP Easy)	16 (AHD 720p / TVI / CVBS 960H / IP Easy)	32 (AHD 720p / TVI / CVBS 960H / IP Easy)
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (4K UHD), 1xVGA
	Audio inputs/outputs	4 (RCA) / 1 (RCA)	4 (RCA) / 1 (RCA)	2 (RCA) / 1 (RCA)	8 (RCA) / 1 (RCA)
	Alarm Inputs/Outputs	4/1	4/1	4/1	4/1
	Video compression	H.264	H.264	H.264	H.264
	Display / recording frame rate:	100fps@(AHD/TVI 720p, CVBS 960H, IP Easy FULL-HD)	200fps@(AHD/TVI 720p, CVBS 960H, IP Easy FULL-HD)	400fps@(AHD/TVI 720p, CVBS 960H, IP Easy FULL-HD)	480fps@(AHD/TVI 720p, CVBS 960H, IP Easy FULL-HD)
	Hard disk capacity supplied	1TB (4TB max)	1TB (4TB max)	1TB (4TB max)	2TB (6TB max)
	Additional Hard Disks (SATA)		1 (4TB max)	1 (4TB max)	1 (6TB max)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded	Linux embedded	Linux embedded
	Recording methods	Manual, Scheduled, Event	Manual, Scheduled, Event	Manual, Scheduled, Event	Manual, Scheduled, Event
	Maximum number of channels being played simultaneously	4	4	4	4
	Protocols supported	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS, ONVIF 2.3
	IP assignment	Manual, DHCP	Manual, DHCP	Manual, DHCP	Manual, DHCP
	Remote control via browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Remote control by software	Comelit CMS	Comelit CMS	Comelit CMS	Comelit CMS
	Remote control by mobile	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)
	Type of connections/ ports	1xRS485, 2xUSB 2.0, 1xEthernet 10/100Mbit/s	1xRS485, 2xUSB 2.0, 1xEthernet 10/100Mbit/s	1xRS485, 2xUSB 2.0, 1xEthernet 10/100Mbit/s	1xRS485, 2xUSB 2.0, 1xEthernet 10/100/1000 Mbit/s
	Users connected at the same time	2	2	2	2
FUNCTIONS	Motion detection (zones)	396	396	396	396
	Privacy zones	4	4	4	4
	Video loss detection	Yes	Yes	Yes	Yes
	System log	Yes	Yes	Yes	Yes
	PTZ management by RS485	Yes	Yes	Yes	Yes
GENERAL INFO	Power Consumption	15W	15W	15W	20W
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	52	52	70	70
	Product width (mm)	270	325	423	430
	Product depth (mm)	325	255	255	325
	Product weight	1.6 kg	1.6 kg	3.9 kg	3 kg
	Case material	Metallic	Metallic	Metallic	Metallic
	Product colour	Black	Black	Black	Black
	Operating temperature (°C)	-10÷55	-10÷55	-10÷55	-10÷55
	Operating humidity (%)	90 max	90 max	90 max	90 max
	Included accessories	Remote control, mouse	Remote control, mouse	Remote control, mouse	Remote control, mouse

BULLET CAMERAS SERIES AHD 2.0

		AHCAM608B	AHCAM618B	AHCAM618ZA	AHCAM618AWDR
MAIN SPECIFICATIONS	Camera sensor	1/2.8" CMOS Sony	1/2.8'' CMOS Sony	1/2.8'' CMOS Sony	1/2.8'' CMOS Sony Starvis 2.13MP
	Camera lens	3.6mm	2.8÷12mm	2.8÷12mm, motorized, autofocus	2.8÷12mm
	Electronic shutter (s)	1/25÷1/50000	1/25÷1/50000	1/50÷1/10000	1/25÷1/10000
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)	0.05 (colour) / 0 (B/W, led IR ON)	0.0001 (colour) / 0 (B/W, led IR ON)
	Signal/noise ratio (dB)	50 (AGC OFF)	50 (AGC OFF)	48 (AGC OFF)	>50 (AGC OFF)
	IR filter	Mechanical	Mechanical	Mechanical	Mechanical
	Video output	AHD / CVBS (960H)	AHD / CVBS (960H)	AHD / TVI / CVI / CVBS (960H)	AHD / TVI / CVI / CVBS (960H)
	Video resolution (H x V)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)
FUNCTIONS	Main functions	Sense-Up, Defog	OSD menu, Sense-Up, Defog	OSD menu, Sense-Up, Defog, UTC control	OSD menu
	Privacy zones		4	4	
	Back light compensation (BLC)	HLC	HSBLC	BLC	
	Digital effects		Mirror, freeze, negative, defog, sense-up(x2 - x30)		
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	WDR (120dB)
	Enhanced DNR control	2DNR, 3DNR	2DNR, 3DNR	2DNR, 3DNR	3DNR
	White balance control	AWB	AWB, AWC, indoor, outdoor, manual	ATW, AWB	ATW, AWB
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	30 led / 25m	36 led / 30m	36 led / 30m	24 led / 35m
	Maximum cable distance RG59 / UTP (m)	300m/100m	300m/100m	300m/100m	300m/100m
	IP protection grade	IP66	IP66	IP66	IP66
GENERAL INFO	Power consumption (max.)	6W	6W	4.8W	4.8W
	DC supply voltage	12V	12V	12V	12V
	Product height (mm)	72	97	85	97
	Product width (mm)	184	228	85	228
	Product depth (mm)	70	84	230	84
	Product weight	530g	530g	480g	650g
	Case material	Aluminum	Aluminum	Aluminum	Aluminum
	Housing	Bullet	Bullet	Bullet	Bullet
	Product colour	Dark grey	Dark grey	Dark grey	Dark grey
	Operating temperature (°C)	-25÷50	-25÷50	-25÷50	-25÷50
	Operating humidity (%)	85 max	85 max	85 max	85 max

MINIDOME/PTZ CAMERAS SERIES AHD 2.0

		AHCAM628B	AHCAM638B	AHCAM638ZA	
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS Sony	1/2.8'' CMOS Sony	1/2.8'' CMOS Sony	
	Camera lens	3.6mm	2.8÷12mm	2.8÷12mm, motorized autofocus	
	Electronic shutter (s)	1/25÷1/50000	1/25÷1/50000	1/50÷1/10000	
	Camera optical zoom				
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)	0.05 (colour) / 0 (B/W, led IR ON)	
	Signal/noise ratio (dB)	50 (AGC OFF)	50 (AGC OFF)	48 (AGC OFF)	
	IR filter	Mechanical	Mechanical	Mechanical	
	Video output	AHD / CVBS (960H)	AHD / CVBS (960H)	AHD / TVI / CVI / CVBS (960H)	
	Video resolution (H x V)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	
FUNCTIONS	Main functions	OSD menu, Sense-Up, Defog	OSD menu, Sense-Up, Defog	OSD menu, Sense-Up, Defog, UTC control	
	Privacy zones			4	
	Back light compensation (BLC)	HLC	HLC	BLC	
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	
	Enhanced DNR control	2DNR, 3DNR	2DNR, 3DNR	2DNR, 3DNR	
	White balance control	AWB	AWB	ATW, AWB	
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	24 led / 20m	36 leds / 30m	36 led / 30m	
	Maximum cable distance RG59 / UTP (m)	300m/100m	300m/100m	300m/100m	
	Wall support				
	Vandal Resistant rating (IK code)				
	IP protection grade	IP66	IP66	IP66	
	RS-485 control				
GENERAL INFO	Power consumption (max.)	4,8W	6W	4.8W	
	AC supply voltage				
	DC supply voltage	12V	12V	12V	
	Product diameter (mm)	94	119	120	
	Product height (mm)	68.5	82,5	95	
	Product weight	530g	580g	700 g	
	Case material	Aluminum	Aluminum	Aluminum	
	Housing	Minidome	Minidome	Minidome	
	Product colour	White	White	White	
	Operating temperature (°C)	-25÷50	-25÷50	-25÷50	
	Operating humidity (%)	85 max	85 max	85 max	

HD COAX

	AHCAM638AWDR	AHCAM633A	AHPTZ10IRB	AHPTZ122IRA
	1/2.8'' CMOS Sony Starvis 2.13MP	1/2.8'' CMOS Sony	1/3'' CMOS Sony	1/3'' CMOS Sony
	2.8÷12mm	6÷22mm	5÷50mm, autofocus	4.7÷94mm, autofocus
	1/25÷1/10000	1/50÷1/10000	1/25÷1/50000	1/25÷1/50000
			10x	20x
	0.0001 (colour) / 0 (B/W, led IR ON)	0.05 (colour) / 0 (B/W, led IR ON)	0.1 (colour) / 0 (B/W, led IR ON)	0.1 (colour) / 0 (B/W, led IR ON)
	>50 (AGC OFF)	50 (AGC OFF)	>50 (AGC OFF)	>50 (AGC OFF)
	Mechanical	Mechanical	Mechanical	Mechanical
	AHD / TVI / CVI / CVBS (960H)	AHD / TVI / CVI / CVBS (960H)	AHD	AHD / TVI / CVI / CVBS (960H)
	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p) / 1280x720 (HD 720p)	1920x1080 (FULL-HD 1080p)
	OSD menu	OSD menu, Sense-Up, Defog	220 Preset, 3 Tour, Scan	220 Preset, 8 Tour, 4 Pattern, 360° Scan, A-B Scan
		BLC	BLC	BLC
	WDR (120dB)	D-WDR		D-WDR
	3DNR	2DNR	2DNR	2DNR
	ATW, AWB	ATW, AWB	AWB, indoor, outdoor, manual	AWB, indoor, outdoor, manual
	24 led / 35m	18 led / 15m	6 Led array / 50m	10 Led array / 150m
	300m/100m	300m/100m	300m/100m	300m/100m
			Included	Included
		IK10		
	IP66	IP66	IP66	IP66
			Yes	Yes
	4.8W	4,8W	15W	25W
				24 V
	12V	12VDC	12V	12V
	119	146	141	216
	82,5	89	206	325
	700 g	580g	2,14Kg	4kg
	Aluminum	Aluminum	Metallic	Aluminum
	Minidome	Minidome	4.5'' speed-dome	7'' speed-dome
	White	White	White	White
	-25÷50	-25÷50	-40÷60	-40÷60
	85 max	85 max	95 max	95 max

BULLET CAMERAS SERIES AHD 3.0

		AHCAM609A	AHCAM619ZA
MAIN SPECIFICATIONS	Camera sensor	1/3" CMOS	1/3" CMOS
	Camera lens	3.6mm	2.8÷12mm, motorized, autofocus
	Electronic shutter (s)	1/50÷1/10000	1/50÷1/10000
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)
	Signal/noise ratio (dB)	48 (AGC OFF)	48 (AGC OFF)
	IR filter	Mechanical	Mechanical
	Video output	AHD / TVI / CVI / CVBS (960H)	AHD / TVI / CVI / CVBS (960H)
	Video resolution (H x V)	AHD/TVI (3MP - 1536p) / CVI (FULL-HD 1080p)	AHD/TVI (3MP - 1536p) / CVI (FULL-HD 1080p)
FUNCTIONS	Main functions	OSD menu, UTC control	OSD menu, UTC control
	Back light compensation (BLC)	BLC	BLC
	Wide Dynamic Range (WDR)	D-WDR	D-WDR
	Enhanced DNR control	2DNR	2DNR
	White balance control	AWB, ATW	AWB, ATW
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	18 led SMD / 25m	24 led SMD / 35m
	Maximum cable distance RG59 / UTP (m)	300m/100m	300m/100m
	IP protection grade	IP66	IP66
GENERAL INFO	Power consumption (max.)	3.6W	5W
	DC supply voltage	12V	12V
	Product height (mm)	72	97
	Product width (mm)	184	228
	Product depth (mm)	70	94
	Product weight	325g	480 g
	Case material	Aluminum	Aluminum
	Housing	Bullet	Bullet
	Product colour	Dark grey	Dark grey
	Operating temperature (°C)	-25÷55	-25÷55
	Operating humidity (%)	85 max	85 max

MINIDOME CAMERAS SERIES AHD 3.0

		AHCAM629A	AHCAM639ZA
MAIN SPECIFICATIONS	Camera sensor	1/3" CMOS	1/3" CMOS
	Camera lens	3.6mm	2.8÷12mm, motorized autofocus
	Electronic shutter (s)	1/50÷1/10000	1/50÷1/10000
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)
	Signal/noise ratio (dB)	48 (AGC OFF)	48 (AGC OFF)
	IR filter	Mechanical	Mechanical
	Video output	AHD / TVI / CVI / CVBS (960H)	AHD / TVI / CVI / CVBS (960H)
	Video resolution (H x V)	AHD/TVI (3MP - 1536p) / CVI (FULL-HD 1080p)	AHD/TVI (3MP - 1536p) / CVI (FULL-HD 1080p)
FUNCTIONS	Main functions	OSD menu, Sense-Up, Defog	OSD menu, Sense-Up, Defog, UTC control
	Back light compensation (BLC)	BLC	BLC
	Wide Dynamic Range (WDR)	D-WDR	D-WDR
	Enhanced DNR control	2DNR	2DNR
	White balance control	AWB, ATW	AWB, ATW
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	18 led SMD / 25m	24 led SMD / 35m
	Maximum cable distance RG59 / UTP (m)	300m/100m	300m/100m
	IP protection grade	IP66	IP66
GENERAL INFO	Power consumption (max.)	3.6W	5W
	DC supply voltage	12V	12V
	Product diameter (mm)	94	119
	Product height (mm)	70	84
	Product weight	360g	700g
	Case material	Aluminum	Aluminum
	Housing	Minidome	Minidome
	Product colour	White	White
	Operating temperature (°C)	-25÷55	-25÷55
	Operating humidity (%)	85 max	85 max

HD COAX

DVR SERIES AHD 3.0

		AHDVR043A	AHDVR083A	AHDVR163A
MAIN SPECIFICATIONS	Video inputs	4 (AHD-TVI 3MP / CVI-IP Easy FULL-HD 1080p / CVBS 960H)	8 (AHD-TVI 3MP / CVI-IP Easy FULL-HD 1080p / CVBS 960H)	16 (AHD-TVI 3MP / CVI-IP Easy FULL-HD 1080p / CVBS 960H)
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA
	Audio inputs/outputs	4 (RCA) / 1 (RCA)	2 (RCA) / 1 (RCA)	2 (RCA) / 1 (RCA)
	Alarm Inputs/Outputs	4/1	4/1	4/1
	Video compression	H.264	H.264	H.264
	Display / recording frame rate:	48fps@3MP-FULL-HD, 100fps@HD	96fps@3MP/FULL-HD, 200fps@HD	192fps@3MP, 240fps@FULL-HD, 400fps@HD
	Hard disk capacity supplied	1TB (6TB max)	1TB (6TB max)	2TB (4TB max)
	Additional Hard Disks (SATA)			1 (4TB max)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded	Linux embedded
	Recording methods	Manual, Scheduled, Event	Manual, Scheduled, Event	Manual, Scheduled, Event
	Maximum number of channels being played simultaneously	4 (FULL-HD) / 2 (3MP)	4 (FULL-HD) / 1 (3MP)	4
	Protocols supported	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS	TCP/IP, PPPoE, DHCP, DDNS, P2P, Comelit DNS
	IP assignment	Manual, DHCP	Manual, DHCP	Manual, DHCP
	Remote control via browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Remote control by software	Comelit CMS	Comelit CMS	Comelit CMS
	Remote control by mobile	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)
	Type of connections/ ports	1xRS485, 2xUSB 2.0, 1xEthernet 10/100Mbit/s	1xRS485, 2xUSB 2.0, 1xEthernet 10/100Mbit/s	1xRS485, 2xUSB 2.0, 1xEthernet 10/100/1000Mbit/s
	Main functions	Camera control through coax cable via UTC protocol	Camera control through coax cable via UTC protocol	Camera control through coax cable via UTC protocol
FUNCTIONS	Motion detection (zones)	396	396	396
	Privacy zones	4	4	4
	Video loss detection	Yes	Yes	Yes
	System log	Yes	Yes	Yes
	PTZ management by RS485	Yes	Yes	Yes
GENERAL INFO	Power Consumption	15W	15W	15W
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	45	50	50
	Product width (mm)	260	315	315
	Product depth (mm)	210	255	255
	Product weight	1.2 kg	1.5 kg	1.9 kg
	Case material	Metallic	Metallic	Metallic
	Product colour	Black	Black	Black
	Operating temperature (°C)	-10÷55	-10÷55	-10÷55
	Operating humidity (%)	90 max	90 max	90 max
	Included accessories	Remote control, mouse	Remote control, mouse	Remote control, mouse

GUIDE TO VIDEO SURVEILLANCE

PRODUCTS CATALOGUE

ACCESSORIES

ACCESSORIES BULLET CAMERAS SERIES AHD 1.0

JB-04G — Connection box, suitable for bullet cameras START and AHD series (art. SCAM118A, SCAM618A, AHCAM617A, AHCAM617B, AHCAM617C, AHCAM618A, AHCAM618B, AHCAM618ZA, AHCAM619ZA), indoor use, grey colour.

ACCESSORIES MINIDOME/PTZ CAMERAS SERIES AHD 1.0

JB-01W — Connection box, suitable for fixed lens Minidome cameras AHD series, indoor use, white colour.

JB-02W — Connection box, suitable for varifocal lens Minidome cameras AHD series, indoor use, white colour.

MBRK631C — Wall bracket for minidome cameras art. MCAM631B and AHCAM631A.

SKYB001A — RS485, Pelco protocol, control keyboard for PTZ cameras. Power supply included.

ACCESSORIES BULLET CAMERAS SERIES AHD 2.0

JB-04G — Connection box, suitable for bullet cameras START and AHD series (art. SCAM118A, SCAM618A, AHCAM617A, AHCAM617B, AHCAM617C, AHCAM618A, AHCAM618B, AHCAM618ZA, AHCAM619ZA), indoor use, grey colour.

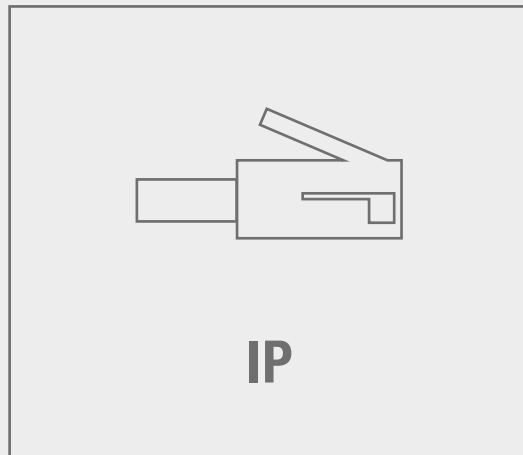### ACCESSORIES MINIDOME CAMERAS SERIES AHD 2.0

JB-01W — Connection box, suitable for fixed lens Minidome cameras AHD series, indoor use, white colour.

JB-02W — Connection box, suitable for varifocal lens Minidome cameras AHD series, indoor use, white colour.

AHPT-1001B — Ceiling bracket for dome cameras art. AHPTZ10IR.

SKYB001A — RS485, Pelco protocol, control keyboard for PTZ cameras. Power supply included.

ACCESSORIES BULLET CAMERAS SERIES AHD 3.0

JB-04G   Connection box, suitable for bullet cameras START and AHD series (art. SCAM118A, SCAM618A, AHCAM617A, AHCAM617B, AHCAM617C, AHCAM618A, AHCAM618B, AHCAM618ZA, AHCAM619ZA), indoor use, grey colour.

ACCESSORIES MINIDOME CAMERAS SERIES AHD 3.0

JB-01W   Connection box, suitable for fixed lens Minidome cameras AHD series, indoor use, white colour.

IP TECHNOLOGY

IP TECHNOLOGY

IP

BULLET CAMERAS IP EASY

		IPCAM010B	IPCAM020A	IPCAM040A	IPCAM050A	
MAIN SPECIFICATIONS	Camera sensor	1/4'' CMOS	1/2.8'' CMOS Sony	1/3'' CMOS	1/3.2'' CMOS	
	Camera lens	3.6mm	3.6mm	3.6mm	3.6mm	
	Electronic shutter (s)	1/25÷1/25000	1/25÷1/25000	1/25÷1/25000	1/25÷1/25000	
	Camera optical zoom					
	Sensitivity (lux)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	
	IR filter	Mechanical	Mechanical	Mechanical	Mechanical	
	Video resolution (H x V)	1280x720 (HD 720p)	1920x1080 (FULL-HD 1080p)	2592x1520 (4MP)	2592x1944 (5MP)	
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264 (Dual streaming)	H.264 (Dual streaming)	H.264, H.265 (Dual streaming)	H.264, H.265 (Dual streaming)	
	Frame rate	30fps	30fps	30fps	15fps	
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	
	Users connected at the same time	4	4	4	4	
	Remote viewer from browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	
FUNCTIONS	Main functions	Privacy mask, Motion detection	Privacy mask, Motion detection	Privacy mask, Motion detection	Privacy mask, Motion detection	
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	D-WDR	
	DNR control	3DNR	3DNR	3DNR	3DNR	
	White balance control	AWB	AWB	AWB	AWB	
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	30 led / 30m	30 led / 30m	30 led / 30m	30 led / 30m	
	IP protection grade	IP66	IP66	IP66	IP66	
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	
GENERAL INFO	Power consumption (max.)	6W	6W	6W	6W	
	DC supply voltage	12V	12V	12V	12V	
	POE power supply	Standard IEEE 802.3af	Standard IEEE802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af	
	Product height (mm)	70	70	70	70	
	Product width (mm)	87	87	87	87	
	Product depth (mm)	207	207	207	207	
	Product weight	400g	400g	400g	400g	
	Case material	Aluminum	Aluminum	Aluminum	Aluminum	
	Housing	Bullet	Bullet	Bullet	Bullet	
	Product colour	White	White	White	White	
	Operating temperature (°C)	-10÷55	-10÷55	-10÷55	-10÷55	
	Operating humidity (%)	90 max	90 max	90 max	90 max	

	IPCAM062A	IPCAM064A	IPCAM065A
	1/2.8" CMOS Sony	1/3'' CMOS Sony	1/3.2'' CMOS Sony
	2.8÷12mm	2.8÷12mm motorized, autofocus	2.8÷12mm motorized, autofocus
	1/25÷1/25000	1/25÷1/25000	1/25÷1/25000
		4x	4x
	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)
	Mechanical	Mechanical	Mechanical
	1920x1080 (FULL-HD 1080p)	2592x1520 (4MP)	2592x1944 (5MP)
	H.264 (Dual streaming)	H.264, H.265 (Dual streaming)	H.264, H.265 (Dual streaming)
	30fps	30fps	15fps
	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3
	4	4	4
	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Privacy mask, Motion detection	Privacy mask, Motion detection	Privacy mask, Motion detection
	D-WDR	D-WDR	D-WDR
	3DNR	3DNR	3DNR
	AWB	AWB	AWB
	28 led / 25m	28 led / 25m	28 led / 25m
	IP66	IP66	IP66
	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
	6W	6W	6W
	12V	12V	12V
	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
	80	80	80
	113	113	113
	250	250	250
	600g	600g	600g
	Aluminum	Aluminum	Aluminum
	Bullet	Bullet	Bullet
	White	White	White
	-10÷55	-10÷55	-10÷55
	90 max	90 max	90 max

MINIDOME CAMERAS IP EASY

		IPCAM066B	IPCAM067A	IPCAM074A	
MAIN SPECIFICATIONS	Camera sensor	1/4'' CMOS	1/2.7'' CMOS	1/3'' CMOS	
	Camera lens	3.6mm	3.6mm	3.6mm	
	Electronic shutter (s)	1/25÷1/25000	1/25÷1/25000	1/25÷1/25000	
	Camera optical zoom				
	Sensitivity (lux)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	
	IR filter	Mechanical	Mechanical	Mechanical	
	Video resolution (H x V)	1280x720 (HD 720p)	1920x1080 (FULL-HD 1080p)	2592x1520 (4MP)	
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264 (Dual streaming)	H.264 (Dual streaming)	H.264, H.265 (Dual streaming)	
	Frame rate	30fps	30fps	30fps	
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	
	Users connected at the same time	4	4	4	
	Remote viewer from browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	
FUNCTIONS	Main functions	Privacy mask, Motion detection	Privacy mask, Motion detection	Privacy mask, Motion detection	
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	
	DNR control	3DNR	3DNR	3DNR	
	White balance control	AWB	AWB	AWB	
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	36 led / 30m	36 led / 30m	36 led / 30m	
	Vandal Resistant rating (IK code)				
	IP protection grade	IP66	IP66	IP66	
	3-axis adjustment	Yes	Yes	Yes	
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	
GENERAL INFO	Power consumption (max.)	6W	6W	6W	
	DC supply voltage	12V	12V	12V	
	POE power supply	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af	
	Product diameter (mm)	140	140	140	
	Product height (mm)	105	105	105	
	Product weight	650g	650g	650g	
	Case material	Aluminum	Aluminum	Aluminum	
	Housing	Minidome	Minidome	Minidome	
	Product colour	White	White	White	
	Operating temperature (°C)	-10÷55	-10÷55	-10÷55	
	Operating humidity (%)	90 max	90 max	90 max	

IP

IPCAM068A	IPCAM069A	IPCAM084A	IPCAM094A
1/3'' CMOS	1/2.7" CMOS	1/3'' CMOS	1/3'' CMOS
2.8÷12mm	2.8÷12mm	2.8÷12mm motorized, autofocus	2.8÷12mm
1/25÷1/25000	1/25÷1/25000	1/25÷1/25000	1/25÷1/25000
		4x	4x
0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)
Mechanical	Mechanical	Mechanical	Mechanical
1280x960 (HD 960p)	1920x1080 (FULL-HD - 1080p)	2592x1520 (4MP)	2592x1520 (4MP)
H.264 (Dual streaming)	H.264 (Dual streaming)	H.264, H.265 (Dual streaming, Dual compression)	H.264, H.265 (Dual streaming, Dual compression)
30fps	30fps	30fps	30fps
TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, PPPOE, ONVIF 2.3
4	4	4	4
Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
Privacy mask, Motion detection	Privacy mask, Motion detection	Privacy mask, Motion detection	Privacy mask, Motion detection
D-WDR	D-WDR	D-WDR	D-WDR
3DNR	3DNR	3DNR	3DNR
AWB	AWB	AWB	AWB
30 led / 30m	30 led / 30m	30 led / 30m	30 led / 30m
IK10	IK10	IK10	IK10
IP66	IP66	IP66	IP66
Yes	Yes	Yes	Yes
Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
6W	6W	6W	6W
12V	12V	12V	12V
Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
145	145	145	145
120	120	120	120
880g	880g	880g	880g
Aluminum	Aluminum	Aluminum	Aluminum
Minidome	Minidome	Minidome	Minidome
White	White	White	White
-10÷55	-10÷55	-10÷55	-10÷55
90 max	90 max	90 max	90 max

FISH-EYE CAMERAS IP EASY

		IPFE071A	IPFE073A
MAIN SPECIFICATIONS	Camera sensor	1/3" CMOS	1/3" CMOS
	Camera lens	1.44mm	1.19mm
	Sensitivity (lux)	0.1 (colour), 0 (B&W, led IR ON)	0.1 (colour), 0 (B&W, led IR ON)
	IR filter	Mechanical	Mechanical
	Video resolution (H x V)	1280x960 (HD - 960p)	1536x1536 (2.4MP)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264 (Triple streaming)	H.264 (Triple streaming)
	Frame rate	15fps	15fps
	Protocols supported	TCP/IP, HTTP, DHCP, UPnP, DDNS, NTP, PPPoE, IEEE 802.11 b/g/n (Wi-Fi)	TCP/IP, HTTP, DHCP, UPnP, DDNS, NTP, PPPoE, IEEE 802.11 b/g/n (Wi-Fi)
FUNCTIONS	Main functions	Wi-Fi connection, electronic PTZ with 360° rotation, passive microphone, various visualizations	Wi-Fi connection, electronic PTZ with 360° rotation, passive microphone, various visualizations
	Privacy zones	4	4
	Digital effects	Mirror	Mirror
	White balance control	AWB, Indoor, Outdoor	AWB, Indoor, Outdoor
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	3 led / 10m	3 led / 10m
	LAN connection	Ethernet 10/100Mbit/s	Ethernet 10/100Mbit/s
	Support SD card (card not included)	Micro-SD (128GB max)	Micro-SD (128GB max)
GENERAL INFO	Power consumption (max.)	3W	3W
	DC supply voltage	12V	12V
	Product diameter (mm)	150	150
	Product height (mm)	40	40
	Case material	Plastic (indoor use)	Plastic (indoor use)
	Housing	Minidome	Minidome
	Product colour	White	White
	Operating temperature (°C)	-10÷50	-10÷50
	Operating humidity (%)	95 max	95 max

* Only compatible with IPNVR045A and IPNVR085B.

IP

NVR SERIES EASY

		IPNVR004BPOE	IPNVR008BPOE
MAIN SPECIFICATIONS	Video inputs	4 PoE (FULL-HD)	8 PoE (FULL-HD)
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA
	Video compression	H.264	H.264
	Display / recording frame rate:	100fps@FULL-HD	200fps@FULL-HD
	Hard disk capacity supplied	2TB (4TB max)	2TB (4TB max)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded
	Recording methods	Manual, Scheduled, Event	Manual, Scheduled, Event
	Maximum number of channels being played simultaneously	1	1
	Protocols supported	HTTP, TCP/IP, SMTP, DHCP, DDNS, ONVIF 2.3	HTTP, TCP/IP, SMTP, DHCP, DDNS, ONVIF 2.3
	IP assignment	Manual, DHCP	Manual, DHCP
	Max bandwidth (Mbit/sec)	100	100
	Remote control via browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Remote control by software	Comelit CMS	Comelit CMS
	Remote control by mobile	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)
	Type of connections/ ports	2xUSB, 4xEthernet 10/100Mbit/s PoE (IEEE 802.3af), 1xEthernet 10/100Mbit/s	2xUSB, 8xEthernet 10/100Mbit/s PoE (IEEE 802.3af), 1xEthernet 10/100Mbit/s
	Users connected at the same time	2	2
FUNCTIONS	Motion detection (zones)	396	396
	Video loss detection	Yes	Yes
	System log	Yes	Yes
GENERAL INFO	Power Consumption	20W max	20W max
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	52	52
	Product width (mm)	325	325
	Product depth (mm)	255	255
	Product weight	2 kg	2 kg
	Case material	Metallic	Metallic
	Product colour	Black	Black
	Operating temperature (°C)	-10÷55	-10÷55
	Operating humidity (%)	90 max	90 max
	Included accessories	Remote control, mouse	Remote control, mouse

NVR SERIES EASY

		IPNVR006A	IPNVR036A	IPNVR045A
MAIN SPECIFICATIONS	Video inputs	16 (FULL-HD) / 9 (4MP/5MP)	36 (FULL-HD) / 16 (4MP/5MP)	4 (8MP)
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (4K UHD), 1xVGA
	Audio inputs/outputs			
	Alarm Inputs/Outputs	4/1	4/1	
	Video compression	H.264	H.264	H.264, H.265
	Display / recording frame rate:	400fps@FULL-HD	900fps@FULL-HD	100 fps, real time
	Hard disk capacity supplied	2TB (4TB max)	2TB (4TB max)	1TB (4TB max)
	Additional Hard Disks (SATA)	1 (4TB max)	3 (3x4TB max)	
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded	Linux embedded
	Recording methods	Manual, Scheduled, Event	Manual, Scheduled, Event	Manual, Scheduled, Event
	Maximum number of channels being played simultaneously	1 (4MP, 5MP) / 4 (HD, FULL-HD)	4(HD, Full-HD, 4MP), 1(5MP)	1 (4MP, 5MP, 8MP) / 4 (HD, FULL-HD)
	Protocols supported	HTTP, TCP/IP, SMTP, DHCP, DDNS, Comelit DNS, ONVIF 2.3	HTTP, TCP/IP, SMTP, DHCP, DDNS, Comelit DNS, ONVIF 2.3	HTTP, TCP/IP, SMTP, DHCP, DDNS, Comelit DNS, ONVIF 2.4
	IP assignment	Manual, DHCP	Manual, DHCP	Manual, DHCP
	Max bandwidth (Mbit/sec)	150	150	40
	Remote control via browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Remote control by software	Comelit CMS	Comelit CMS	Comelit CMS
	Remote control by mobile	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)
	Type of connections/ ports	2xUSB, 1xEthernet 10/100/1000Mbit/s	2xUSB, 1xEthernet 10/100/1000Mbit/s	2xUSB, 1xRS485, 1xEthernet 10/100Mbit/s
	Users connected at the same time	2	2	2
FUNCTIONS	Motion detection (zones)	396	396	396
	Video loss detection	Yes	Yes	Yes
	System log	Yes	Yes	Yes
GENERAL INFO	Power Consumption	30W max	30W max	14W
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	70	70	52
	Product width (mm)	423	423	270
	Product depth (mm)	325	325	213
	Product weight	2.8 kg	2.8 kg	1.6 kg
	Case material	Metallic	Metallic	Metallic
	Product colour	Black	Black	Black
	Operating temperature (°C)	-10÷55	-10÷55	-10÷55
	Operating humidity (%)	90 max	90 max	90 max
	Included accessories	Remote control, mouse	Remote control, mouse	Remote control, mouse

IP

	IPNVR085B	IPNVR065A
	8 (5MP)	16 (5MP) / 8 (8MP) + 8 (5MP)
	1xHDMI, 1xVGA	1xHDMI (4K UHD), 1xVGA
		1 (RCA) / 1 (RCA)
		4/1
	H.264, H.265	H.264, H.265
	200fps, real time	400 fps, real time
	1TB (4TB max)	1TB (4TB max)
		1 (4TB max)
	Linux embedded	Linux embedded
	Manual, Scheduled, Event	Manual, Scheduled, Event
	4	4
	HTTP, TCP/IP, SMTP, DHCP, DDNS, Comelit DNS, ONVIF 2.4	HTTP, TCP/IP, SMTP, DHCP, DDNS, Comelit DNS, ONVIF 2.4
	Manual, DHCP	Manual, DHCP
	100	200
	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Comelit CMS	Comelit CMS
	APP Comelit View S (Android, iOS)	APP Comelit View S (Android, iOS)
	2xUSB, 1xEthernet 10/100Mbit/s	2xUSB, 1xEthernet 10/100/1000Mbit/s
	2	2
	396	396
	Yes	Yes
	Yes	Yes
	14W	14W
	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	52	70
	270	423
	213	325
	1.6 kg	2.8 kg
	Metallic	Metallic
	Black	Black
	-10÷55	-10÷55
	90 max	90 max
	Remote control, mouse	Remote control, mouse

KIT WIFI IP EASY

WIKIT040A

MAIN SPECIFICATIONS	Video inputs	4
	Main video output	1 (VGA), 1 (HDMI), 1920x1080@60Hz
	Video compression	H.264
	Hard disk capacity supplied	1TB (4TB max)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded
	Recording methods	Manual, scheduled, event
	Maximum number of channels being played simultaneously	4
	Protocols supported	HTTP, TCP/IP, SMTP, DHCP, DDNS, Comelit DNS, IEEE 820.11b/g/n (Wi-Fi, 2.4 Ghz)
	IP assignment	Manual, DHCP
	Max bandwidth (Mbit/sec)	20
	Remote control via browser	Internet Explorer, Firefox, Chrome
	Remote control by software	Comelit CMS
	Remote control by mobile	App Comelit View S (Android, iOS)
	Type of connections/ ports	1xUSB, Ethernet 10/100Mbit/s
FUNCTIONS	Motion detection (zones)	396
	Anti-tampering	Yes
	Loss of video signal	Yes
	E-mail notification	Yes
GENERAL INFO	Power Consumption	15W
	AC supply voltage	100÷240V, 50÷60Hz
	Product height (mm)	45
	Product width (mm)	210
	Product depth (mm)	257
	Product weight (g)	1 kg
	Case material	Metallic
	Product colour	Black
	Operating temperature (°C)	10÷55
	Operating humidity (%)	90 max
	Included accessories	4 WiFi IP cameras (HD 960p, 4mm fixed lens, IP66), power supplies for NVR and cameras, mouse

BULLET/BOX CAMERAS IP 100

		IPCAM101D	**IPCAM102B**	**IPCAM161C**
MAIN SPECIFICATIONS	Camera sensor	1/2.7'' CMOS	1/2.8" CMOS Sony	1/2.7'' CMOS
	Camera lens	3.6mm	3,6mm	2.8÷12mm
	Electronic shutter (s)	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000
	Sensitivity (lux)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)
	Signal/noise ratio (dB)	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)
	IR filter	Mechanical	Mechanical	Mechanical
	Video resolution (H x V)	1280x720 (HD - 720p)	1920x1080 (FULL-HD 1080p)	1280x720 (HD 720p)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Dual streaming)	H.264, MJPEG (Dual streaming)	H.264, MJPEG (Dual streaming)
	Frame rate	30fps	30fps	30fps
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTP/ RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/ RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/ RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2
	Remote viewer from browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
FUNCTIONS	Main functions	Privacy mask, Motion detection, Tampering	Privacy mask, Motion detection, Tampering	Privacy mask, Motion detection, Tampering
	Motion detection (zones)	Yes	Yes	Yes
	Privacy zones	4	4	4
	Digital effects	Mirror	Mirror	Mirror
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR
	DNR control	3DNR	3DNR	3DNR
	White balance control	AWB	AWB	AWB
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	30 led / 15m	30 led / 15m	66 led / 50m
	IP protection grade	IP66	IP66	IP66
	Analogue video output		CVBS (BNC)	
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
GENERAL INFO	Power consumption (max.)	6W	6W	9W
	DC supply voltage	12V	12V	12V
	POE power supply	Standard IEEE802.3af	Standard IEEE802.3af	Standard IEEE802.3af
	Product diameter (mm)	66	66	
	Product height (mm)			148
	Product width (mm)			121
	Product depth (mm)	167	167	235
	Product weight	400 g	400g	1.22 Kg
	Case material	Aluminum	Aluminum	Aluminum
	Housing	Bullet	Bullet	Bullet
	Product colour	Dark grey	Dark grey	Dark grey
	Operating temperature (°C)	-20÷55	-20÷55	-20÷55
	Operating humidity (%)	90 max	90 max	90 max

BULLET/BOX CAMERAS IP 100

		IPCAM162A	IPCAM1622A	IPCAM163A
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS Sony	1/2.8'' CMOS Sony	1/2.8'' CMOS Sony EXMOR Starvis Technology
	Camera lens	2.8÷12mm	6÷22mm	2.8÷12mm
	Electronic shutter (s)	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000
	Camera optical zoom			
	Sensitivity (lux)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)
	Signal/noise ratio (dB)	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)
	IR filter	Mechanical	Mechanical	Mechanical
	Video resolution (H x V)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD - 1080P)	2048x1536 (3MP)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Dual streaming)	H.264, MJPEG (Dual streaming)	H.264, H.265, MJPEG (Dual streaming, Dual compression)
	Frame rate	30fps	30fps	30fps
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2
	Remote viewer from browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
FUNCTIONS	Main functions	Privacy mask, Motion detection, Tampering	Privacy mask, Motion detection, Tampering	Video Analytics, Privacy mask, Motion detection, Tampering
	Motion detection (zones)	Yes	Yes	Yes
	Video analytics			Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard
	Privacy zones	4	4	4
	Digital Slow Shutter (DSS)			
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	WDR (120dB)
	DNR control	3DNR	3DNR	3DNR
	White balance control	AWB	AWB	AWB
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	66 led / 50m	66 led / 50m	2 led arrays / 50m
	IP protection grade	IP66	IP66	IP66
	Alarm Inputs/Outputs			2/1
	Audio Inputs/Outputs			1/1
	RS-485 control			Yes
	Analogue video output	CVBS (BNC)	CVBS (BNC)	CVBS (BNC)
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 100Mbit/sec
	Support SD card (card not included)			Micro-SD (64GB max)
GENERAL INFO	Power consumption (max.)	8W	8W	9W
	DC supply voltage	12V	12V	12V
	POE power supply	Standard IEEE802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
	Product diameter (mm)			
	Product height (mm)	83	83	83
	Product width (mm)	121	121	121
	Product depth (mm)	241	241	241
	Product weight	1Kg	1Kg	1.22Kg
	Case material	Aluminum	Aluminum	Aluminum
	Housing	Bullet	Bullet	Bullet
	Product colour	Dark grey	Dark grey	Dark grey
	Operating temperature (°C)	-20÷55	-20÷55	-20÷55
	Operating humidity (%)	90 max	90 max	90 max

	IPCAM1638A	IPCAM165A	IPCAM152A
	1/2.8'' CMOS Sony EXMOR Starvis Technology	1/1.8'' CMOS Sony EXMOR Starvis Technology	1/2.8'' CMOS Sony
	2.8÷8 mm motorized, autofocus	3.6÷10mm motorized, autofocus	
	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000
	3x	3x	
	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0.2 (colour), 0.02 (B/W)
	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)
	Mechanical	Mechanical	Mechanical
	2048x1536 (3MP)	2592x1944 (5MP)	1920x1080 (FULL-HD 1080p)
	H.264, H.265, MJPEG (Dual streaming, Dual compression)	H.264, H.265, MJPEG (Dual streaming, Dual compression)	H.264, MJPEG (Dual streaming)
	30fps@3MP (main) + 30fps@D1 (sub)	30fps	30fps
	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2
	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Video Analytics, Privacy mask, Motion detection, Tampering	Video Analytics, Privacy mask, Motion detection, Tampering	Privacy mask, Motion detection, Tampering
	Yes	Yes	Yes
	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	
	4	4	4
	Yes		
	WDR (120dB)	D-WDR	D-WDR
	3DNR	3DNR	3DNR
	AWB	AWB	AWB
	15 led SMD / 30m (SMART IR)	2 led arrays / 50m	
	IP66	IP66	
	2/1	2/1	1/1
	1/1	1/1	1/1
	Yes	Yes	Yes
	CVBS (BNC)	CVBS (BNC)	CVBS (BNC)
	Ethernet 100Mbit/sec	Ethernet 100Mbit/sec	Ethernet 10/100Mbit/sec
	Micro-SD (64GB max)	Micro-SD (64GB max)	
	7W	9W	5W
	12V	12V	12V
	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
	71		
		83	62
		121	58
	186	241	138
	600 g	1.22Kg	650g
	Aluminum	Aluminum	Aluminum
	Bullet	Bullet	Box
	Dark grey	Dark grey	Grey
	-20÷55	-20÷55	-10÷55
	90 max	90 max	90 max

MINIDOME CAMERAS IP 100

		IPCAM166D	**IPCAM167A**	**IPCAM168A**	
MAIN SPECIFICATIONS	Camera sensor	1/2.7'' CMOS	1/2.8'' CMOS Sony	1/4'' CMOS	
	Camera lens	3.6mm	3.6mm	2.8÷12mm	
	Electronic shutter (s)	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000	
	Camera optical zoom				
	Sensitivity (lux)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	
	Signal/noise ratio (dB)	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)	
	IR filter	Mechanical	Mechanical	Mechanical	
	Video resolution (H x V)	1280x720 (HD 720p)	1920x1080 (FULL-HD 1080p)	1920x1080(FULL-HD 1080p)	
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Dual streaming)	H.264, MJPEG (Dual streaming)	H.264, MJPEG (Dual streaming)	
	Frame rate	30fps	30fps	30fps	
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	
	Remote viewer from browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	
FUNCTIONS	Main functions	Privacy mask, Motion detection, Tampering	Privacy mask, Motion detection, Tampering	Privacy mask, Motion detection, Tampering	
	Motion detection (zones)	Yes	Yes	Yes	
	Video analytics				
	Privacy zones	4	4	4	
	Digital Slow Shutter (DSS)				
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	
	DNR control	3DNR	3DNR	3DNR	
	White balance control	AWB	AWB	AWB	
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	36 led / 30m	36 led / 15m	18 led / 15m	
	Vandal Resistant rating (IK code)			IK10	
	IP protection grade	IP65	IP65	IP65	
	3-axis adjustment	Yes	Yes	Yes	
	Alarm Inputs/Outputs				
	Audio Inputs/Outputs				
	RS-485 control				
	Analogue video output		CVBS (BNC)	CVBS (BNC)	
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	
	Support SD card (card not included)				
GENERAL INFO	Power consumption (max.)	7W	7W	6W	
	DC supply voltage	12V	12V	12V	
	POE power supply	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af	
	Product diameter (mm)	120	120	150	
	Product height (mm)	95	95	112	
	Product weight	630g	740g	900g	
	Case material	Aluminum	Aluminum	Aluminum	
	Housing	Minidome	Minidome	Minidome	
	Product colour	White	White	White	
	Operating temperature (°C)	-10÷55	-10÷55	-20÷55	
	Operating humidity (%)	90 max	90 max	90 max	

IPCAM169A	IPCAM183A	IPCAM1838A	IPCAM185A
1/2.8'' CMOS Sony	1/2.8'' CMOS Sony EXMOR Starvis Technology	1/2.8'' CMOS Sony Starvis Technology	1/1.8'' CMOS Sony EXMOR Starvis Technology
6÷22mm	2.8÷12mm	2.8÷8mm motorized, autofocus	3.6÷10mm motorized, autofocus
1/25÷1/10000	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000
		3x	3x
0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)
>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)
Mechanical	Mechanical	Mechanical	Mechanical
1920x1080 (FULL-HD 1080p)	2048x1536 (3MP)	2048x1536 (3MP)	2592x1944 (5MP)
H.264, MJPEG (Dual streaming)	H.264, H.265, MJPEG (Dual streaming, Dual compression)	H.264, H.265, MJPEG (Dual streaming, Dual compression)	H.264, H.265, MJPEG (Dual streaming, Dual compression)
30fps	30fps	30fps@3MP (main) + 30fps@D1 (sub)	30fps
TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF 2.2
Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
Privacy mask, Motion detection, Tampering	Video Analytics, Privacy mask, Motion detection, Tampering	Video Analytics, Privacy mask, Motion detection, Tampering	Video Analytics, Privacy mask, Motion detection, Tampering
Yes	Yes	Yes	Yes
	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard
4	4	4	4
		Yes	
D-WDR	WDR (120dB)	WDR (120dB)	D-WDR
3DNR	3DNR	3DNR	3DNR
AWB	AWB	AWB	AWB
18 led / 15m	28 led / 30m	12 led SMD / 30m (SMART IR)	28 led / 30m
IK10	IK10	IK10	IK10
IP65	IP66	IP66	IP66
Yes	Yes	Yes	
	2/1	2/1	2/1
	1/1	1/1	1/1
	Yes	Yes	Yes
CVBS (BNC)	CVBS (BNC)	CVBS (BNC)	CVBS (BNC)
Ethernet 10/100Mbit/sec	Ethernet 100Mbit/sec	Ethernet 100Mbit/sec	Ethernet 100Mbit/sec
	Micro-SD (64GB max)	Micro-SD (64GB max)	Micro-SD (64GB max)
6W	8W	8W	8W
12V	12V	12V	12V
Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
150	150	117	150
112	130	88	130
1Kg	1.12Kg	660g	1.12Kg
Aluminum	Aluminum	Aluminum	Aluminum
Minidome	Minidome	Minidome	Minidome
White	White	White	White
-20÷55	-20÷55	-20÷55	-20÷55
90 max	90 max	90 max	90 max

PTZ CAMERAS IP 100

		IPPTZ110IRA	IPPTZ120IRD	IPPTZ130IRB
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS	1/2.8'' CMOS 2.13M Sony Starvis Technology	1/2.8'' CMOS 3.21M Sony Starvis Technology
	Camera lens	4.7÷47mm, autofocus	4.7÷94mm, autofocus	4.5÷135mm, autofocus
	Electronic shutter (s)	1/25÷1/5000	Auto (1/25÷1/5000), Manual - Low light (1/5÷1/5000)	Auto (1/25÷1/5000), Manual - Low light (1/5÷1/5000)
	Camera optical zoom	10x	20x	30x
	Sensitivity (lux)	0.06 (colour) / 0 (B/W - led IR ON)	0.1 (colour) / 0 (B/W, led IR ON)	0.05 (colour) / 0 (B/W, led IR ON)
	Signal/noise ratio (dB)	50 (AGC OFF)	> 55	> 55
	IR filter	Mechanical	Mechanical	Mechanical
	Video resolution (H x V)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD - 1080p)	2048x1536 (3MP)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Dual streaming, Dual compression)	H.264, MJPEG (Dual streaming, Dual compression)	H.264, MJPEG (Dual streaming, Dual compression)
	Frame rate	30fps	30/60fps @ FULL-HD 1080p (main) + 30/60fps @ 720x576 (sub)	30/60fps @ 3MP (main) + 30/60fps @ 720x576 (sub)
	Protocols supported	IPv4, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DDNS, DHCP, RTSP/RTP, RTCP, SNMP, ONVIF 2.2	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, RTCP, DDNS, FTP, NTP, SMTP, ONVIF 2.2 Profile-S	TCP/IP, UDP, HTTP, DHCP, RTP/RTSP, RTCP, DDNS, FTP, NTP, SMTP, ONVIF 2.2 Profile-S
	Additional functions		3D PTZ control	3D PTZ control
	Users connected at the same time		6	6
	Remote viewer from browser	Internet Explorer	Internet Explorer	Internet Explorer
FUNCTIONS	Main functions	255 Preset, 4 Tour, 4 Pattern, Home function	255 Preset, 4 Tour, 4 Pattern, 8 Privacy Zones, Defog, WDR, 3DNR, Motion Detection	255 Preset, 4 Tour, 4 Pattern, 8 Privacy Zones, Defog, WDR, 3DNR, Motion Detection
	Motion detection (zones)	4	4	4
	Privacy zones		8	8
	Back light compensation (BLC)	Yes	Yes	Yes
	Wide Dynamic Range (WDR)	Yes	Yes	Yes
	DNR control	3DNR	3DNR	3DNR
	White balance control	AWB, whitelow lamp, 4000K, 5000K, sunshine, dark clouds, flash light, fluorescent lamp, water bottom, push	Auto / Whitelow lamp / 4000K / 5000K / Sunshine / Dark clouds / Flash light / Fluorescent lamp / Water bottom / Manual	Auto / Whitelow lamp / 4000K / 5000K / Sunshine / Dark clouds / Flash light / Fluorescent lamp / Water bottom / Manual
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	8 Smart IR leds / 80m	6 + 2 x laser / 150m	6 + 2 x laser / 150m
	Wall support	Included	Included	Included
	IP protection grade	IP66	IP66	IP66
	Alarm Inputs/Outputs	1/1	2/1	2 /1
	Audio Inputs/Outputs		1/1	1/1
	Analogue video output	CVBS (BNC)	CVBS (BNC)	CVBS (BNC)
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100 Mbit/s	Ethernet 10/100 Mbps
	Support SD card (card not included)	Micro-SD (32GB max)	Micro-SD (64GB max)	Micro-SD (64GB max)
GENERAL INFO	Power consumption (max.)	25W	30W	30W
	DC supply voltage	24V	24V	24 V
	POE power supply	Standard IEEE 802.3at	Standard IEEE 802.3at	Standard IEEE 802.3at
	Product diameter (mm)	149	216	216
	Product height (mm)	291	377	377
	Product weight	2.7 Kg	8.5 kg	8.5 kg
	Case material	Aluminum	Aluminum	Aluminum
	Housing	Speed-dome	Speed-dome	Speed-dome
	Product colour	White	White	White
	Operating temperature (°C)	-20÷55	-20÷60	-20÷60
	Operating humidity (%)	90 max	90 max	90 max
	Included accessories	Power supply, wall mount bracket	Power supply, wall mount bracket	Power supply, wall mount bracket

IP

WIFI CAMERAS IP 100

		WICAM101A	WICAM161A	WICAM166A	WICAM191A
MAIN SPECIFICATIONS	Camera sensor	1/3" CMOS Sony 1.3MP Progressive Scan	1/3" CMOS Sony 1.3MP Progressive Scan	1/3" CMOS Sony 1.3MP Progressive Scan	1/2.9'' CMOS Sony 2MP
	Camera lens	3.6mm	2.8÷12mm	3.6mm	3.6mm
	Electronic shutter (s)	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000	1/25÷1/10000
	Sensitivity (lux)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)
	Signal/noise ratio (dB)	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)	
	IR filter	Mechanical	Mechanical	Mechanical	Mechanical
	Video resolution (H x V)	1280x960 (HD - 960p)	1280x960 (HD - 960p)	1280x960 (HD - 960p)	1920x1080 (FULL-HD 1080p)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Dual streaming, Dual compression)	H.264, MJPEG (Dual streaming, Dual compression)	H.264, MJPEG (Dual streaming, Dual compression)	H.264, MJPEG (Dual streaming, Dual compression)
	Frame rate	30fps	30fps	30fps	30fps
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP, IEEE 802.11 b/g/n (Wi-Fi 2.4 Ghz)	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP, IEEE 802.11 b/g/n (Wi-Fi 2.4 Ghz)	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP, IEEE 802.11 b/g/n (Wi-Fi 2.4 Ghz)	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SMTP, IEEE 802.11 b/g/n (Wi-Fi 2.4 Ghz)
	Remote viewer from browser		Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
FUNCTIONS	Main functions	Wi-Fi connection	Wi-Fi connection	Wi-Fi connection	Wi-Fi connection, PIR sensor, bidirectional audio with built-in microphone and loudspeaker
	Motion detection (zones)	1	1	1	1
	Privacy zones	4	4	4	4
	Digital effects	Mirror	Mirror	Mirror	Mirror
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	D-WDR	D-WDR
	DNR control	3DNR	3DNR	3DNR	3DNR
	White balance control	AWB	AWB	AWB	AWB
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	30 led / 30m	3 led IR III / 50m	18 led / 15m	1 led IRIII / 10m
	IP protection grade	IP66	IP66		
	Alarm Inputs/Outputs		2/1	2/1	2(1+1xPIR)/1
	Audio Inputs/Outputs		1/1	1/1	
	Analogue video output	CVBS (BNC)	CVBS (BNC)	CVBS (BNC)	
	LAN connection	Ethernet 10/100Mbit/s	Ethernet 10/100Mbit/s	Ethernet 10/100Mbit/s	Ethernet 10/100Mbit/s
	Support SD card (card not included)	Micro-SD (64GB max)	Micro-SD (64GB max)	Micro-SD (64GB max)	
GENERAL INFO	Power consumption (max.)	7W	9W	7W	5W
	DC supply voltage	12V	12V	12V	12V
	POE power supply				Standard IEEE 802.3af
	Product diameter (mm)	66	95.5	136	
	Product height (mm)			118	129
	Product width (mm)				73
	Product depth (mm)	167	263		85
	Product weight	400g	900g	470g	220g
	Case material	Aluminum	Aluminum	Plastic	Plastic
	Housing	Bullet	Bullet	Minidome	Cube
	Product colour	Grey	Grey	White	White and black
	Operating temperature (°C)	-20÷55	-20÷55	-10÷50	-10÷40
	Operating humidity (%)	90 max	90 max	90 max	90 max

NVR SERIES 100

		IPNVR104EPOE	IPNVR108DPOE	IPNVR116D	
MAIN SPECIFICATIONS	Video inputs	8 (4 PoE x 5MP + 4 x 5Mp)	8 PoE (FULL-HD 1080p)	16 (5MP)	
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	
	Audio inputs/outputs			1/1	
	Alarm Inputs/Outputs	2/1	2/1	4/1	
	Video compression	H.264, MJPEG / 16÷8000 kbps	H.264	H.264	
	Display / recording frame rate:	120fps@5MP Realtime	200fps@FULL-HD 1080p	480fps@5MP	
	Hard disk capacity supplied	1TB (6TB max)	1TB (4TB max)	1TB (6TB max)	
	Additional Hard Disks (SATA)		1TB (4TB max)	1TB (6TB max)	
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded	Linux embedded	
	Recording methods	Auto, Manual, Scheduled, Event, Video Analitycs	Manual, Scheduled, Event	Manual, Scheduled, Event, Video Analitycs	
	Recording type	Dual streaming	Dual streaming	Dual streaming	
	Maximum number of channels being played simultaneously	1@5MP/3MP, 4@FULL-HD	8	1@5MP/3MP, 4@FULL-HD	
	Protocols supported	HTTP, TCP/IP, UPnP, SMTP (SSL), DHCP, DDNS, PPPoE, NTP, P2P, RTSP, Comelit DNS, ONVIF 2.2	HTTP, TCP/IP, UPnP, SMTP (SSL), DHCP, DDNS, PPPoE, NTP, P2P, RTSP, Comelit DNS, ONVIF 2.2	HTTP, TCP/IP, UPnP, SMTP (SSL), DHCP, DDNS, PPPoE, NTP, P2P, RTSP, Comelit DNS, ONVIF 2.2	
	IP assignment	Manual, DHCP	Manual, DHCP	Manual, DHCP	
	Max bandwidth (Mbit/sec)	50	40	80	
	Remote control via browser	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	
	Remote control by software	Comelit View 100	Comelit View 100	Comelit View 100	
	Remote control by mobile	APP Comelit View 100 (Android, iOS)	APP Comelit View 100 (Android, iOS)	APP Comelit View 100 (Android, iOS)	
	Type of connections/ ports	2xUSB, 1xRS485, 4xEthernet 10/100Mbit/s PoE (IEEE 802.3af), 1xEthernet 10/100Mbit/s	2xUSB, 1xRS485, 8xEthernet 10/100Mbit/s PoE(IEEE 802.3af), 1xEthernet 10/100/1000Mbit/s	2xUSB 2.0, 1xUSB 3.0, 2x 1xRS485, 1xEthernet 10/100/1000Mbit/s	
	Main functions	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard, Digital zoom 12X		Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	
	Users connected at the same time	8(sub-stream), 3(main stream)	8(sub-stream), 3(main stream)	8(sub-stream), 3(main stream)	
FUNCTIONS	Motion detection (zones)	396	396	396	
	Video loss detection	Yes	Yes	Yes	
	System log	Yes	Yes	Yes	
	PTZ management by RS485	Yes		Yes	
GENERAL INFO	Power Consumption	16W	16W	16W	
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	
	Product height (mm)	48	48	44	
	Product width (mm)	300	360	360	
	Product depth (mm)	209	250	250	
	Product weight	2,6Kg	2Kg	2Kg	
	Case material	Metallic	Metallic	Metallic	
	Product colour	Black	Black	Black	
	Operating temperature (°C)	-10÷55	-10÷55	-10÷55	
	Operating humidity (%)	90 max	90 max	90 max	
	Included accessories	Mouse, power supply	Mouse	Mouse	

IP

	IPNVR125D	IPNVR136D	IPNVR164D
	25 (FULL-HD 1080p) / 16 (3MP/5MP) / 36 (HD)	36 (4K)	64 (4K)
	1xHDMI (FULL-HD), 1xVGA	1xHDMI (4K UHD), 1xVGA	1xHDMI (4K UHD), 1xVGA
	1/1	1 (RCA) / 1 (RCA)	1 (RCA) / 1 (RCA)
	4/4	4/4	4/4
	H.264	H.264, H.265	H.264, H.265
	750fps@FULL-HD 1080p, 480fps@5MP	1080fps@4K	1920fps@4K
	2TB (6TB max)	2TB (6TB max)	2TB (6TB max)
	7 (7x6TB max)	7 (7x6TB max, RAID0 / RAID1 / RAID5 / RAID6 / RAID10) + eSATA	7 (7x6TB max, RAID0 / RAID1 / RAID5 / RAID6 / RAID10) + eSATA
	Linux embedded	Linux embedded	Linux embedded
	Manual, Scheduled, Event, Video Analitycs	Manual, Scheduled, Event, Video Analitycs	Manual, Scheduled, Event, Video Analitycs
	Dual streaming	Dual streaming	Dual streaming
	8	4	4 (4K/5MP) / 9 (3MP) / 16 (FULL-HD)
	HTTP, TCP/IP, UPnP, SMTP (SSL), DHCP, DDNS, PPPoE, NTP, P2P, RTSP, Comelit DNS, ONVIF 2.2	HTTP, TCP/IP, UPnP, SMTP (SSL), DHCP, DDNS, PPPoE, NTP, P2P, RTSP, Comelit DNS, ONVIF 2.2	HTTP, TCP/IP, UPnP, SMTP (SSL), DHCP, DDNS, PPPoE, NTP, P2P, RTSP, Comelit DNS, ONVIF 2.2
	Manual, DHCP	Manual, DHCP	Manual, DHCP
	150	288	512
	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Comelit View 100	Comelit View 100	Comelit View 100
	APP Comelit View 100 (Android, iOS)	APP Comelit View 100 (Android, iOS)	APP Comelit View 100 (Android, iOS)
	2xUSB 2.0, 1xUSB 3.0, 1xRS485, 2xEthernet 10/100/1000Mbit/s, eSATA	2xUSB 2.0, 1xUSB 3.0, 1xRS485, 2xEthernet 10/100/1000Mbit/s, eSATA	2xUSB 2.0, 1xUSB 3.0, 1xRS485, 2xEthernet 10/100/1000Mbit/s, eSATA
	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard	Counting, object stolen/abandoned, area detection (object entering/leaving), virtual guard
	8(sub-stream), 3(main stream)	8(sub-stream), 3(main stream)	8(sub-stream), 3(main stream)
	396	396	396
	Yes	Yes	Yes
	Yes	Yes	Yes
	Yes	Yes	Yes
	45W	45W	45W
	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	90	90	90
	440	440	440
	432	432	432
	7.6 kg	7.6 kg	7.6 kg
	Metallic	Metallic	Metallic
	Black	Black	Black
	-10÷55	-10÷55	-10÷55
	90 max	90 max	90 max
	Mouse	Mouse	Mouse

LENSES

BOX CAMERAS IP 100

	42246	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 2.4 to 6 mm, F1.2-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.
	42308	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 3 to 8 mm, F1-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.
	42412	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 4 to 12 mm, F1.4-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.
	42550	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 5 to 50 mm, F1.4-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.

HOUSING

BOX CAMERAS IP 100

	44130B	Waterproof outdoor/indoor housing with sunshield, thermostat-controlled heating, power supply 230 VAC, side opening action, case in ABS and die-cast aluminium, IP66 waterproof, cream colour, useful dimensions (W x H x D) 97 x 97.5 x 210 mm, weight 1.5 kg. Bracket included.
	44131	Pole mount accessory for housing art. 44130B, pole diameter from 50 to 110 mm.

ACCESSORIES

MINIDOME CAMERAS IP 100

	JB-100BB	Connection box, suitable for bullet cameras art. IPCAM161C, IPCAM162A, IPCAM163A and IPCAM165A, suitable for indoor use, dark grey colour.
	JB-100MB	Connection box, suitable for bullet cameras art. IPCAM101D, IPCAM102B and IPCAM1638A, suitable for indoor use, dark grey colour.
	IPPT-1004W	Connection box, suitable for minidome cameras art. IPCAM168A, IPCAM169A, IPCAM183A and IPCAM185A, suitable for indoor use, white colour.
	JB-100MD	Connection box, suitable for minidome cameras art. IPCAM166D and IPCAM167A, suitable for indoor use, white colour.
	JB-100SMD	Connection box, suitable for minidome camera art. IPCAM1838A, suitable for indoor use, white colour.

PTZ CAMERAS IP 100

	IPPT-1201	Pole-mounting accessory (pole diameter from 95 to 135 mm) for dome cameras art. IPPTZ120IRD and IPPTZ130IRB.
	IPPT-1202	Corner installation accessory for cameras dome art. IPPTZ120IRD and IPPTZ130IRB.
	IPPT-604	Ceiling mount bracket art. IPPTZ120IRD and IPPTZ130IRB.
	IPKYB100A	IP control keyboard for IPPTZ-1xx / IPPTZ-7xx cameras. Integrated 5" LCD colour monitor with OSD menu, Plug & Play connection by ONVIF 2.4 protocol, unlimited number of manageable cameras, live view from selected camera by the integrated monitor and by the optional monitor connected to the HDMI port. Preset and Tour management (9600bps; tour not available for IPPTZ-7xx cameras), 3 axis joystick, USB port for optional mouse connection. Power supply included.

HD ANALOG TECHNOLOGY

IP TECHNOLOGY

PROFESSIONAL RANGE
VIDEO SURVEILLANCE

HD ANALOG TECHNOLOGY

HD ANALOG TECHNOLOGY

BULLET CAMERAS SERIES AHD 2.0

		AHCAM700A	AHCAM702B
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS 2.4M Sony Exmor	1/2.8" CMOS 2.1M Sony Progressive scan
	Camera lens	3.6mm	2.8÷12mm
	Electronic shutter (s)	1/50÷1/50000	1/50÷1/50000
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.1 (colour) / 0 (B/W, led IR ON)
	Signal/noise ratio (dB)	>50dB (AGC OFF)	>50dB (AGC OFF)
	IR filter	Mechanical	Mechanical
	Video output	AHD / CVBS (960H)	AHD / TVI / CVBS (960H)
	Video resolution (H x V)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Additional functions	Bad pixels detection, LCD / CRT colour selection, LSC	Bad pixels detection, LCD / CRT colour selection, LSC
FUNCTIONS	Main functions	OSD menu, Sense-Up, Defog, UTC control	OSD menu
	Motion detection (zones)	4	4
	Privacy zones	4	4
	Back light compensation (BLC)	BLC, HSBLC	BLC, HSBLC
	Digital effects	Freeze, mirror, negative	Freeze, mirror, negative
	Wide Dynamic Range (WDR)	D-WDR	D-WDR
	DNR control	2DNR, 3DNR	2DNR, 3DNR
	White balance control	ATW, AWC, indoor, outdoor, manual, AWB	ATW, AWC, indoor, outdoor, manual, AWB
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	24 led / 25m	42 led / 40m
	Maximum cable distance RG59 / UTP (m)	300m/100m	300m/100m
	IP protection grade	IP66	IP66
GENERAL INFO	Power consumption (max.)	4.5W	7W
	DC supply voltage	12V	12V
	Product diameter (mm)	50	87
	Product depth (mm)	139.5	300
	Product weight	285g	1Kg
	Case material	Aluminum	Aluminum
	Housing	Bullet	Bullet
	Product colour	Ivory	Ivory
	Operating temperature (°C)	-10÷50	-10÷50
	Operating humidity (%)	96 max	96 max

MINIDOME/PTZ CAMERAS SERIES AHD 2.0

		AHCAM722A	AHCAM727A	AHPTZ779A
MAIN SPECIFICATIONS	Camera sensor	1/2.8" CMOS 2.4M Sony Exmor	1/2.8" CMOS 2.4M Sony Exmor	1/2.8'' CMOS 2.4M Sony Starvis
	Camera lens	3.6mm	2.8÷12mm	4.3÷129mm, autofocus
	Electronic shutter (s)	1/50÷1/50000	1/50÷1/50000	1/8÷1/30000
	Camera optical zoom			30x
	Sensitivity (lux)	0.01 (colour) / 0 (B/W, led IR ON)	0.01 (colour) / 0 (B/W, led IR ON)	0.5 (colour) / 0 (B/W, led IR ON)
	Signal/noise ratio (dB)	>50dB (AGC OFF)	>50dB (AGC OFF)	>50dB (AGC OFF)
	IR filter	Mechanical	Mechanical	Mechanical
	Video output	AHD / CVBS (960H)	AHD / CVBS (960H)	AHD / TVI / CVBS (960H)
	Video resolution (H x V)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	FULL-HD 1080p (AHD) / FULL-HD 1080p, HD 720p (TVI)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Additional functions	Bad pixels detection, LCD / CRT colour selection, LSC	Bad pixels detection, LCD / CRT colour selection, LSC	
FUNCTIONS	Main functions	OSD menu, Sense-Up, Defog, UTC control	OSD menu, Sense-Up, Defog, UTC control	240 Preset, 8 Tour, 8 Pattern, DIS, Defog
	Motion detection (zones)	4	4	
	Privacy zones	4	4	16
	Back light compensation (BLC)	BLC, HSBLC	BLC, HSBLC	BLC, HLC
	Digital effects	Freeze, mirror, negative	Freeze, mirror, negative	Flip, freeze, anti-flicker (50/60Hz)
	Wide Dynamic Range (WDR)	D-WDR	D-WDR	WDR
	DNR control	2DNR, 3DNR	2DNR, 3DNR	3DNR
	White balance control	ATW, AWC, indoor, outdoor, manual, AWB	ATW, AWC, indoor, outdoor, manual, AWB	AWB, Incandescent, Fluorescent, Outdoor, Manual
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	24 led / 25m	24 led / 25m	1 led+1 laser sync. / 400m
	Maximum cable distance RG59 / UTP (m)	300m/100m	300m/100m	300m/100m
	Vandal Resistant rating (IK code)	IK10	IK10	
	IP protection grade	IP66	IP66	IP66
	3-axis adjustment	Yes	Yes	
	Alarm Inputs/Outputs			4/2
	RS-485 control			Yes
GENERAL INFO	Power consumption (max.)	4.5W	4.5W	38W
	AC supply voltage			24V
	DC supply voltage	12V	12V	24V
	Product diameter (mm)	140	144	216
	Product height (mm)	50	98	302,5
	Product weight	285g	530g	5.5Kg
	Case material	Aluminum	Aluminum	Aluminium
	Housing	Minidome	Minidome	All-in-one
	Product colour	Ivory	Ivory	Ivory / Black
	Operating temperature (°C)	-10÷50	-10÷50	-30÷65
	Operating humidity (%)	96 max	96 max	90 max

DVR SERIES AHD 2.0

		AHDVR742B	AHDVR782B	AHDVR762B
MAIN SPECIFICATIONS	Video inputs	4 (AHD 1080p/720p / TVI / CVBS 960H)	8 (AHD 1080p/720p / TVI / CVBS 960H)	16 (AHD 1080p/720p / TVI / CVBS 960H)
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA
	Audio inputs/outputs	1 (RCA) / 1 (RCA)	4 (RCA) / 1 (RCA)	4 (RCA) / 1 (RCA)
	Alarm Inputs/Outputs	4/1	4/1	4/1
	Video compression	H.264	H.264	H.264
	Display / recording frame rate:	100fps@FULL-HD 1080p (Main stream) + 100fps@VGA (Sub stream)	200fps@FULL-HD 1080p (Main stream) + 200fps@VGA (Sub stream)	200fps@FULL-HD 1080p (Main stream) + 200fps@VGA (Sub stream)
	Hard disk capacity supplied	1TB (4TB max)	1TB (4TB max)	1TB (4TB max)
	Additional Hard Disks (SATA)		1 (4TB max)	1 (4TB max)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded	Linux embedded
	Recording methods	Manual, Scheduled, Event	Manual, Scheduled, Event	Manual, Scheduled, Event
	Recording type	Dual streaming	Dual streaming	Dual streaming
	Maximum number of channels being played simultaneously	4	8	16
	Protocols supported	HTTP, TCP/IP, SMTP, DDNS, FTP, NTP, Comelit DNS	HTTP, TCP/IP, SMTP, DDNS, FTP, NTP, Comelit DNS	HTTP, TCP/IP, SMTP, DDNS, FTP, NTP, Comelit DNS
	IP assignment	Manual, DHCP	Manual, DHCP	Manual, DHCP
	Max bandwidth (Mbit/sec)	72	144	288
	Remote control via browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Remote control by software	Comelit Ras Solution	Comelit Ras Solution	Comelit Ras Solution
	Remote control by mobile	Comelit IP Ras (Android, iOS)	Comelit IP Ras (Android, iOS)	Comelit IP Ras (Android, iOS)
	Type of connections/ ports	1xRS485, 2xUSB 2.0, 1xEthernet 10/100/1000Mbit/s, iSCSI	1xRS485, 1xUSB 2.0, 1xUSB 3.0, 1xEthernet 10/100/1000Mbit/s, iSCSI	1xRS485, 1xUSB 2.0, 1xUSB 3.0, 1xEthernet 10/100/1000Mbit/s, iSCSI
	Main functions	Camera control through coax cable via UTC protocol, Text-in (POS, ATM)	Camera control through coax cable via UTC protocol, Text-in (POS, ATM)	Camera control through coax cable via UTC protocol, Text-in (POS, ATM)
	Users connected at the same time	10	10	10
FUNCTIONS	Motion detection (zones)	360	360	360
	Privacy zones	4	4	4
	Video loss detection	Yes	Yes	Yes
	System log	Yes	Yes	Yes
	PTZ management by RS485	Yes	Yes	Yes
	Digital effects	PiP, freeze, zoom (x2, x4, x6, x8, Live & Playback)	PiP, freeze, zoom (x2, x4, x6, x8, Live & Playback)	PiP, freeze, zoom (x2, x4, x6, x8, Live & Playback)
GENERAL INFO	Power Consumption	19W	28W	28W
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	44.5	45	45
	Product width (mm)	260	375	375
	Product depth (mm)	220	318	318
	Product weight	1.5 kg	2.3 kg	2.5 kg
	Case material	Metallic	Metallic	Metallic
	Product colour	Black	Black	Black
	Operating temperature (°C)	0÷45	0÷45	0÷45
	Operating humidity (%)	90 max	90 max	90 max
	Included accessories	Mouse	Mouse	Mouse

HD COAX

ACCESSORIES

BULLET CAMERAS SERIES AHD 2.0

HJB-04 — Connection box, suitable for bullet cameras in the Professional series (not including art. AHCAM702A and ANPR922M3M), waterproof die-cast aluminium enclosure IP66.
Dimensions (W x H x D) 110.4 x 110.4 x 70 mm.

MINIDOME/PTZ CAMERAS SERIES AHD 2.0

DHW-01 — Wall bracket for minidome cameras PROFESSIONAL series art. AHCAM722A, AHCAM727A, IPCAM723A, IPCAM768ZA e IPPTZ773B.

FM22 — Flush mount support for minidome cameras PROFESSIONAL series art. AHCAM722A, AHCAM727A and IPCAM723A.

40732 — Ceiling mount bracket for minidome cameras PROFESSIONAL series art. IPCAM768ZA e IPPTZ773B

40734 — Wall mount bracket for minidome cameras PROFESSIONAL series art. IPCAM768ZA, IPCAM769ZA e IPPTZ773B.

40722 — Corner installation accessory for universal dome housing, compatible with art. 40728 and 40734.

40726 — Pole-mounting accessory (pole diameter from 80 to 140 mm) for art. 40728 and 40734.

43082 — Plug power supply, input from 100 to 240 VAC/50-60 Hz, output 12 VDC/1.33A with jack connector.

43082UK — Plug power supply, input from 100 to 240 VAC/50-60 Hz, output 12 VDC/1.5A with jack connector, UK plug.

40727 — Ceiling bracket for dome housing art. 40731.

40728 — Wall mount bracket for dome cameras PROFESSIONAL series art. AHPTZ779A e IPPTZ779C.

1195 — Power Supply, input 230v ac/50-60 hz, output 12v/24v ac with screw terminal.

DVR SERIES AHD 2.0

	AHDVR742W	Stand-alone DVR, 4 inputs AHD (FULL-HD 1080p) / TVI / CVBS 960H. Same specifications as AHDVR742B but equipped with an hard drive "Western Digital Purple" 1TB.
	AHDVR782W	Stand-alone DVR, 8 inputs AHD (FULL-HD 1080p) / TVI / CVBS 960H. Same specifications as AHDVR782B but equipped with an hard drive "Western Digital Purple" 2TB.
	AHDVR762W	Stand-alone DVR, 8 inputs AHD (FULL-HD 1080p) / TVI / CVBS 960H. Same specifications as AHDVR782B but equipped with an hard drive "Western Digital Purple" 2TB.
	40705	RS485 keyboard, CONTROLLER series.
	ISDVR716A	iSCSI backup device (32 volumes max.) up to 16 HDDs.

HD COAX

IP TECHNOLOGY

IP TECHNOLOGY

BULLET/BOX CAMERAS IP 700

		IPCAM703A	IPCAM753ZA	IPCAM755ZA	IPCAM742B
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS 3.15M Sony Starvis Technology	1/2.8'' CMOS 3.15M Sony Starvis Technology	1/1.8'' CMOS 6.4M Sony Starvis Technology	1/2.7" CMOS progressive scan
	Camera lens	3.7mm	2.8÷12mm motorized, autofocus	3.6÷10mm motorized, autofocus	
	Electronic shutter (s)	1/1÷1/10000	1/1÷1/10000	1/1÷1/10000	1/25÷1/20000
	Camera optical zoom		4x (Smart Focus)	3x (Smart Focus)	
	Sensitivity (lux)	0.2 (colour), 0 (B/W, led IR ON)	0.2 (colour), 0 (B/W, led IR ON)	0.1 (colour), 0 (B/W, led IR ON)	0.9 (colour), 0.2 (B/W)
	IR filter	Mechanical	Mechanical	Mechanical	Mechanical
	Management software	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager
	Video resolution (H x V)	2048x1536 (3MP), 1920x1080 (Full-HD - 1080p), 1280x1024 (SXGA), 1280x720 (HD - 720p), D1, VGA, CIF, QVGA	2048x1536 (3MP), 1920x1080 (Full-HD - 1080p), 1280x1024 (SXGA), 1280x720 (HD - 720p), D1, VGA, CIF, QVGA	2592x1944 (5MP), 2560x1600 (4MP), 2048x1536 (3MP), 1920x1080 (Full-HD), 1280x1024 (SXGA), 1280x720 (HD), D1, VGA, CIF, QVGA	1920x1080(FULL-HD 1080p), HD(720p), D1, Half-D1, VGA, CIF, QVGA
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)
	Frame rate	30fps	30fps	15fps@5MP, 30fps@3MP/2MP	30fps
	Protocols supported	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S
	Users connected at the same time	10 (live), 3 (playback)	10 (live), 3 (playback)	10 (live), 3 (playback)	10
	Remote viewer from browser	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome, Safari
FUNCTIONS	Main functions	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM
	Motion detection (zones)	16	16	16	16
	Video analytics	Line crossing, Area entering	Line crossing, Area entering	Line crossing, Area entering	Line crossing, Area entering
	Privacy zones	8	8	8	8
	Back light compensation (BLC)	BLC, HLC	BLC, HLC	BLC, HLC	BLC, HLC
	Digital effects	Flip, mirror, aisle, defog, anti-flicker (50/60Hz), S-LDC	Flip, mirror, aisle, defog, anti-flicker (50/60Hz), S-LDC	Flip, mirror, aisle, defog, anti-flicker (50/60Hz), S-LDC	Buffering(pre & post event)
	Wide Dynamic Range (WDR)	D-WDR (72dB)	D-WDR (72dB)	D-WDR (72dB)	D-WDR (72dB)
	DNR control	3DNR	3DNR	3DNR	2DNR
	White balance control	AWB, Incandescent, Fluorescent, Outdoor, Manual	AWB, Incandescent, Fluorescent, Outdoor, Manual	AWB, Incandescent, Fluorescent, Outdoor, Manual	AWB, Incandescent, Fluorescent, Outdoor, Manual
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	24 led / 25m	32 led / 30m	35 led / 40m	
	IP protection grade	IP67	IP67	IP66	
	Alarm Inputs/Outputs	1/1	1/1	1/1	1/1
	Audio Inputs/Outputs	1/1	1/1	1/1	1/1
	RS-485 control				Yes
	Analogue video output				CVBS (BNC)
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
	Support SD card (card not included)	Micro-SD (128GB max)	Micro-SD (128GB max)	Micro-SD (128GB max)	Micro-SD (128GB max)
GENERAL INFO	Power consumption (max.)	5.7W	7.2W	8.5W	3.6W
	AC supply voltage				24V
	DC supply voltage	12V	12V	12V	12V
	POE power supply	Standard IEEE 802.3af (Class 0)	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
	Product diameter (mm)	66			
	Product height (mm)		98.4	86	56
	Product width (mm)		87	90	66
	Product depth (mm)	173		279	124
	Product weight	430g	850g	1 Kg	245g
	Case material	Aluminum	Aluminium	Aluminum	Plastic
	Housing	Bullet	Bullet	Bullet	Box
	Product colour	White	Silver	White	Silver, black
	Operating temperature (°C)	-20÷50	-20÷50	-20÷50	-10÷50
	Operating humidity (%)	90 max	90 max	90 max	90 max

IP

MINIDOME CAMERAS IP 700

		IPCAM723A	IPCAM768ZA	IPCAM769ZA
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS 3.15M Sony Starvis Technology	1/2.8'' CMOS 3.15M Sony Starvis Technology	1/1.8'' CMOS 6.4M Sony Starvis Technology
	Camera lens	3.7mm	2.8÷12mm motorized, autofocus	3.6÷10mm motorized, autofocus
	Electronic shutter (s)	1/1÷1/10000	1/1÷1/10000	1/1÷1/10000
	Camera optical zoom		4x (Smart focus)	3x (Smart Focus)
	Sensitivity (lux)	0.2 (colour), 0 (B/W, led IR ON)	0.2 (colour), 0 (B/W, led IR ON)	0.1 (colour), 0 (B&W, led IR ON)
	IR filter	Mechanical	Mechanical	Mechanical
	Management software	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager
	Video resolution (H x V)	2048x1536 (3MP), 1920x1080 (Full-HD - 1080p), 1280x1024 (SXGA), 1280x720 (HD - 720p), D1, VGA, CIF, QVGA	2048x1536 (3MP), 1920x1080 (Full-HD - 1080p), 1280x1024 (SXGA), HD (720p), D1, VGA, CIF, QVGA	2592x1944 (5MP), 2560x1600 (4MP), 2048x1536 (3MP), 1920x1080 (Full-HD), 1280x1024 (SXGA), 1280x720 (HD), D1, VGA, CIF, QVGA
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)	H.264, MJPEG (Triple streaming: 2xH.264 + 1xMJPEG)
	Frame rate	30fps	30fps	15fps@5MP / 30fps@3MP/2MP
	Protocols supported	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S
	Users connected at the same time	10 (live), 3 (playback)	10 (live), 3 (playback)	10 (live), 3 (playback)
	Remote viewer from browser	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome, Safari
FUNCTIONS	Main functions	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM	Video Analisys, Privacy mask, Motion detection, Audio alert, Tampering, AIHM
	Motion detection (zones)	16	16	16
	Video analytics	Line crossing, Area entering	Line crossing, Area entering	Line crossing, Area entering
	Privacy zones	8	8	8
	Back light compensation (BLC)	BLC, HLC	BLC, HLC	BLC, HLC
	Digital effects	Flip, mirror, aisle, defog, anti-flicker (50/60Hz), S-LDC	Flip, mirror, aisle, defog, anti-flicker (50/60Hz), S-LDC	Flip, mirror, aisle, defog, anti-flicker (50/60Hz), S-LDC
	Wide Dynamic Range (WDR)	D-WDR (72dB)	D-WDR (72dB)	D-WDR (72dB)
	DNR control	3DNR	3DNR	3DNR
	White balance control	AWB, Incandescent, Fluorescent, Outdoor, Manual	AWB, Incandescent, Fluorescent, Outdoor, Manual	AWB, Incandescent, Fluorescent, Outdoor, Manual
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	24 led / 25m	36 led / 35m	28 led / 30m
	Vandal Resistant rating (IK code)	IK10	IK10	IK10
	IP protection grade	IP66	IP66	IP66
	3-axis adjustment			Yes
	Alarm Inputs/Outputs	1/1	1/1	1/1
	Audio Inputs/Outputs	1/1	1/1	1/1
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
	Support SD card (card not included)	Micro-SD (128GB max)	Micro-SD (128GB max)	Micro-SD (128GB max)
GENERAL INFO	Power consumption (max.)	4.3W	5.7W	6W
	DC supply voltage	12V	12V	12V
	POE power supply	Standard IEEE 802.3af	Standard IEEE 802.3af	Standard IEEE 802.3af
	Product diameter (mm)	144	146	144
	Product height (mm)	98	106	98
	Product weight	630g	850g	850 g
	Case material	Aluminum	Aluminium	Aluminum
	Housing	Minidome	Minidome	Minidome
	Product colour	White	White	White
	Operating temperature (°C)	-20÷50	-20÷55	-10÷50
	Operating humidity (%)	90 max	90 max	90 max

GUIDE TO VIDEO SURVEILLANCE

PRODUCTS CATALOGUE

PTZ CAMERAS IP 700

		IPPTZ773B	IPPTZ779C
MAIN SPECIFICATIONS	Camera sensor	1/2.8'' CMOS 2.15M Sony Starvis Technology	1/2.8'' CMOS 2.15M Sony Starvis Technology
	Camera lens	4.7÷94mm, autofocus	4.3÷129mm, autofocus
	Electronic shutter (s)	1/8÷1/30000 (30ips), 1/8÷1/50000 (60ips)	1/8÷1/30000 (30ips), 1/8÷1/50000 (60ips)
	Camera optical zoom	20x	30x
	Sensitivity (lux)	0.5 (colour), 0.1(B/W)	0.5 (colour), 0.1(B/W)
	IR filter	Mechanical	Mechanical
	Management software	Comelit Ras Solution, app Comelit IP Ras (iOS, Android), Smart Manager	Comelit Ras Solution, app Comelit IP Ras(iOS, Android), Smart Manager
	Video resolution (H x V)	1920x1080 (FULL-HD - 1080p)	1920x1080 (FULL-HD - 1080p)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, MJPEG (Triple streaming 2xH.264 + 1xMJPEG @ 30ips / dual streaming 1xH.264 + 1xMJPEG @ 60ips)	H.264, MJPEG (Triple streaming 2xH.264 + 1xMJPEG @ 30ips / dual streaming 1xH.264 + 1xMJPEG @ 60ips)
	Frame rate	30/60fps	30/60fps
	Protocols supported	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S	TCP/IP, UDP, IPv4, IPv6, HTTP, HTTPS, QoS, FTP, UPnP, RTP/RTSP, RTCP, DHCP, ARP, Zero Conf, Bonjour, ONVIF 2.4 Profile-S
	Additional functions	RS485	RS485
	Users connected at the same time	10 (live), 3 (playback)	10(live), 3(playback)
	Remote viewer from browser	Internet Explorer, Firefox, Chrome, Safari	Internet Explorer, Firefox, Chrome, Safari
FUNCTIONS	Main functions	240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analysis	240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analysis
	Motion detection (zones)	16 zone	16 zone
	Video analytics	Line crossing, Area entering	Line crossing, Area entering
	Privacy zones	8	8
	Back light compensation (BLC)	Yes	Yes
	Digital effects	DIS, flip, defog, anti-flicker (50/60Hz)	Flip, defog, anti-flicker (50/60Hz)
	Wide Dynamic Range (WDR)	Yes	Yes
	DNR control	3DNR	3DNR
	White balance control	AWB, Incandescent, Fluorescent, Outdoor, Manual	AWB, Incandescent, Fluorescent, Outdoor, Manual
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)		1 + 1 sync. / 400m
	IP protection grade	IP66	IP66
	Alarm Inputs/Outputs	4/1	4/1
	Audio Inputs/Outputs	1/1	1/1
	RS-485 control	Yes	Yes
	Analogue video output	CVBS (BNC)	CVBS (BNC)
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
	Support SD card (card not included)	Micro-SD (32GB max)	Micro-SD (32GB max)
GENERAL INFO	Power consumption (max.)	12W	28W
	AC supply voltage	24V	
	DC supply voltage	12V	12V
	POE power supply	Standard IEEE 802.3af	Standard IEEE 802.3at
	Product diameter (mm)	154	202
	Product height (mm)	150	313
	Product weight	1,6Kg	4,9Kg
	Case material	Aluminum	Aluminum
	Housing	Speed-dome	Speed-dome
	Product colour	Ivory	Ivory / Black
	Operating temperature (°C)	-10÷50	-30÷65
	Operating humidity (%)	90 max	90 max

NVR SERIES 700

		IPNVR704C	IPNVR708C	IPNVR746C	
MAIN SPECIFICATIONS	Video inputs	4 PoE (5MP)	8 PoE (5MP)	16 PoE (5MP)	
	Main video output	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA	
	Audio inputs/outputs	- / 1 (RCA)	- / 1 (RCA)	- / 1 (RCA)	
	Alarm Inputs/Outputs	4/1	8/1	8/1	
	Video compression	H.264	H.264	H.264	
	Display / recording frame rate:	100fps@5MP	200fps@5MP	400fps@5MP	
	Hard disk capacity supplied	2TB (4TB max)	2TB (4TB max)	2TB (4TB max)	
	Additional Hard Disks (SATA)	1 x eSATA	1 (4TB max) + eSATA	1 (4TB max) + eSATA	
SOFTWARE/ FIRMWARE SPECIFICATIONS	Operating system	Linux embedded	Linux embedded	Linux embedded	
	Recording methods	Manual, Scheduled, Event	Manual, Scheduled, Event	Manual, Scheduled, Event	
	Recording type	Dual streaming (Smart search)	Dual streaming (Smart search)	Dual streaming (Smart search)	
	Maximum number of channels being played simultaneously	4	8	16	
	Protocols supported	HTTP, TCP/IP, SMTP, DHCP, DDNS, NTP, FTP, Comelit DNS, ONVIF 2.3 Profile-S	HTTP, TCP/IP, SMTP, DHCP, DDNS, NTP, FTP, Comelit DNS, ONVIF 2.3 Profile-S	HTTP, TCP/IP, SMTP, DHCP, DDNS, NTP, FTP, Comelit DNS, ONVIF 2.3 Profile-S	
	IP assignment	Manual, DHCP	Manual, DHCP	Manual, DHCP	
	Max bandwidth (Mbit/sec)	32 Mbit/s (IN), 72 Mbit/s (OUT)	64 Mbit/s (IN), 144 Mbit/s (OUT)	128 Mbit/s (IN), 288 Mbit/s (OUT)	
	Remote control via browser	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome	
	Remote control by software	Comelit Ras Solution	Comelit Ras Solution	Comelit Ras Solution	
	Remote control by mobile	Comelit IP Ras (Android, iOS)	Comelit IP Ras (Android, iOS)	Comelit IP Ras (Android, iOS)	
	Type of connections/ ports	1xUSB 3.0, 2xUSB 2.0, 4xEthernet 10/100 Mbit/s PoE (IEEE 802.3af, 27.6W max), 1xEthernet 10/100/1000 Mbit/s	1xUSB 3.0, 2xUSB 2.0, 4xEthernet 10/100 Mbit/s PoE (IEEE 802.3af, 66W max), 1xEthernet 10/100/1000 Mbit/s	1xUSB 3.0, 2xUSB 2.0, 16xEthernet 10/100 Mbit/s PoE (IEEE 802.3af, 130W max), 1xEthernet 10/100/1000 Mbit/s	
	Main functions	Text-in (POS, ATM), watermarking	Text-in (POS, ATM), watermarking	Text-in (POS, ATM), watermarking	
	Users connected at the same time	10	10	10	
FUNCTIONS	Motion detection (zones)	360	360	360	
	Video loss detection	Yes	Yes	Yes	
	System log	Yes	Yes	Yes	
GENERAL INFO	Power Consumption	30W	30W	30W	
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	
	Product height (mm)	47	47	47	
	Product width (mm)	300	378	378	
	Product depth (mm)	209	317	317	
	Product weight	1.7 Kg	3.1 kg	3.5 Kg	
	Case material	Metallic	Metallic	Metallic	
	Product colour	Black	Black	Black	
	Operating temperature (°C)	0÷45	0÷45	0÷45	
	Operating humidity (%)	90 max	90 max	90 max	
	Included accessories	Remote control, mouse	Remote control, mouse	Remote control, mouse	

IP

	IPNVR716A	IPNVR732A
	16 PoE (8MP)	16+16 PoE (8MP)
	1xHDMI (FULL-HD), 1xVGA	1xHDMI (FULL-HD), 1xVGA
	1 (RCA) / 1 (RCA)	1 (RCA) / 1 (RCA)
	16/1	16/1
	H.264, H.265	H.264, H.265
	480fps@8MP	960fps@8MP
	2TB (4TB max)	2TB (4TB max)
	3 (3x4TB max) + eSATA	3 (3x4TB max) + eSATA
	Linux embedded	Linux embedded
	Manual, Scheduled, Event	Manual, Scheduled, Event
	Dual streaming (Smart search)	Dual streaming (Smart search)
	16	32
	HTTP, TCP/IP, SMTP, DHCP, DDNS, NTP, FTP, Comelit DNS, ONVIF 2.3 Profile-S	HTTP, TCP/IP, SMTP, DHCP, DDNS, NTP, FTP, Comelit DNS, ONVIF 2.3 Profile-S
	Manual, DHCP	Manual, DHCP
	160 Mbit/s (IN), 576 Mbit/s (OUT)	320 Mbit/s (IN), 576 Mbit/s (OUT)
	Internet Explorer, Firefox, Chrome	Internet Explorer, Firefox, Chrome
	Comelit Ras Solution	Comelit Ras Solution
	Comelit IP Ras (Android, iOS)	Comelit IP Ras (Android, iOS)
	1xUSB 3.0, 2xUSB 2.0, 1xRS485, 16xEthernet 10/100 Mbit/s PoE (IEEE 802.3af, 130W max), 1xEthernet 10/100/1000 Mbit/s	1xUSB 3.0, 2xUSB 2.0, 1xRS485, 16xEthernet 10/100 Mbit/s PoE (IEEE 802.3af, 130W max), 1xEthernet 10/100/1000 Mbit/s
	Text-in (POS, ATM), watermarking	Text-in (POS, ATM), watermarking
	10	10
	300	300
	Yes	Yes
	Yes	Yes
	35W (+PoE)	35W (+PoE)
	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	89	89
	436	436
	356	356
	5 kg	5 kg
	Metallic	Metallic
	Black	Black
	0÷45	0÷45
	90 max	90 max
	Mouse	Mouse
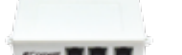
ANPR CAMERAS
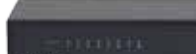
		ANPR922M3M	LPRCAM608A	LPRCAM616A	LPRCAM655A
MAIN SPECIFICATIONS	Camera sensor	1/2.8" CMOS Sony Progressive Scan	1/3'' CMOS Global Shutter	1/3'' CMOS Global Shutter	1/3'' CMOS Global Shutter
	Camera lens	9÷22mm	8mm	16mm	5÷55mm
	Vehicle speed up to	90km/h (56mph)	40km/h (25mph)	40km/h (25mph)	40km/h (25mph)
	Electronic shutter (s)	1/50÷1/2000	Auto	Auto	Auto
	Sensitivity (lux)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)	0 (B/W, led IR ON)
	IR filter	Mechanical	Mechanical	Mechanical	Mechanical
	Video resolution (H x V)	2048x1536 (3MP)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)	1920x1080 (FULL-HD 1080p)
SOFTWARE/ FIRMWARE SPECIFICATIONS	Video compression	H.264, H.265	MPEG4, JPEG	MPEG4, JPEG	MPEG4, JPEG
	Frame rate	60fps@2M / 30fps@3M	60fps	60fps	60fps
	Protocols supported	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, UPNP, SMTP, FTP, Onvif Profile S, Milestone	TCP/IP, UDP, HTTP, RTP/RTSP, DHCP	TCP/IP, UDP, HTTP, RTP/RTSP, DHCP	TCP/IP, UDP, HTTP, RTP/RTSP, DHCP
	Additional functions		SDK, can be integrated into Genetec and Milestone platforms	SDK, can be integrated into Genetec and Milestone platforms	SDK, can be integrated into Genetec and Milestone platforms
	Users connected at the same time	10	4 (Live)	4 (Live)	4 (Live)
	Remote viewer from browser	Internet Explorer	Internet Explorer, Firefox, Chrome, Opera	Internet Explorer, Firefox, Chrome, Opera	Internet Explorer, Firefox, Chrome, Opera
FUNCTIONS	Main functions	Watermarking	Integrated OCR (free flow), double sensor, Magic Spot Light, UNI 10772 A Class and EN62471:2008 compliant	Integrated OCR (free flow), double sensor, Magic Spot Light, UNI 10772 A Class and EN62471:2008 compliant	Integrated OCR (free flow), double sensor, Magic Spot Light, UNI 10772 A Class and EN62471:2008 compliant
	Motion detection (zones)	Yes	Yes	Yes	Yes
	Digital effects		Anti-glare, Anti-reflex, Anti-dirty, Anti-shadow	Anti-glare, Anti-reflex, Anti-dirty, Anti-shadow	Anti-glare, Anti-reflex, Anti-dirty, Anti-shadow
	Wide Dynamic Range (WDR)	WDR			
	DNR control	3DNR			
HARDWARE SPECIFICATIONS	No. IR LEDs / Max. distance (m)	30 led / 15m	6 led high power / 10m	6 led high power / 10m	6 led high power / 10m
	IP protection grade	IP66	IP66	IP66	IP66
	Alarm Inputs/Outputs	-/1	2/1	2/1	2/1
	Audio Inputs/Outputs		1/1	1/1	1/1
	RS-485 control		Yes	Yes	Yes
	LAN connection	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec	Ethernet 10/100Mbit/sec
	Support SD card (card not included)		CF card (12MB installed, 32GB max)	CF card (12MB installed, 32GB max)	CF card (12MB installed, 32GB max)
GENERAL INFO	Power consumption (max.)	9W	8W	8W	8W
	AC supply voltage		100÷240V / 50÷60Hz	100÷240V / 50÷60Hz	100÷240V / 50÷60Hz
	DC supply voltage	12V			
	Product height (mm)	110	250	250	250
	Product width (mm)	84	125	125	125
	Product depth (mm)	231	580	580	580
	Product weight	0.82Kg	4.5Kg	4.5Kg	4.5Kg
	Case material	Aluminum	Aluminium	Aluminium	Aluminium
	Housing	Bullet	All-in-one	All-in-one	All-in-one
	Product colour	White	Grey (RAL7035)	Grey (RAL7035)	Grey (RAL7035)
	Operating temperature (°C)	-30÷45	-20÷50	-20÷50	-20÷50
	Operating humidity (%)	90 max	95 max	95 max	95 max

IP

SWITCH POE

		IPSWP050A	IPSWP080A	IPSWP160A	IPSWR030A
MAIN SPECIFICATIONS	LAN ports	5 Gigabit (RJ-45, auto MDI/MDI-X function)	8 Gigabit (RJ-45, auto MDI/MDI-X function)	16 Gigabit (RJ-45, auto MDI/MDI-X function)	3 PoE Gigabit (1 input (PD), 2 output (PSE - 30W max))
	Standards / Protocols Supported	IEEE802.3af, IEEE802.3at, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode), IEEE802.3ab	IEEE802.3af, IEEE802.3at, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode), IEEE802.3ab, IEEE802.3az	IEEE802.3af, IEEE802.3at, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode), IEEE802.3az	IEEE802.3af, IEEE802.3at, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode), IEEE802.3ab, IEEE802.3az
	LAN PoE ports number	4 Gigabit	8 Gigabit	16 Gigabit	1 input (PD), 2 output (PSE - 30W max)
	SFP ports	Store and Forward			
	Transfer method	10Gb/s	Store and Forward	Store and Forward	Store and forward
	Switching capacity	Auto-learning, auto-aging	16Gb/s	32Gb/s	6Gb/s
	Mac address	1488000pps max	Auto-learning, auto-aging	Auto-learning, auto-aging	Auto-learning, auto-aging
	Frame Filtering and Forward Rate		1488000pps max	1488000pps max	1488000pps max
GENERAL INFO	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	
	Product height (mm)	44.5	44	44	27
	Product width (mm)	280	280	442	135
	Product depth (mm)	179	180	208	77
	Case material	Metallic	Metallic	Metallic	Plastic
	Product colour	Black	Black	Black	White
	Operating temperature (°C)	0÷40	0÷40	0÷40	0÷40
	Operating humidity (%)	90 max	90 max	90 max	90 max

SWITCH STANDARD

		IPSWC080A	IPSWC160A	IPSWC162A
MAIN SPECIFICATIONS	LAN ports	8 Gigabit (RJ-45, auto MDI/MDI-X function)	16 Gigabit (RJ-45, auto MDI/MDI-X function)	16 Gigabit (RJ-45, auto MDI/MDI-X function), 2 SFP
	Standards / Protocols Supported	IEEE802.3ab, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode)	IEEE802.3ab, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode), IEEE802.3az	IEEE802.3ab, IEEE802.3x (full-duplex mode / back-pressure half-duplex mode), IEEE802.3ad, IEEE802.3u, IEEE802.3z
	LAN PoE ports number			
	Transfer method	Store and Forward	Store and forward	2
	Switching capacity	16Gb/s	32Gb/s	Store and Forward
	Mac address	Auto-learning, auto-aging	Auto-learning, auto-aging	52Gb/s
	Frame Filtering and Forward Rate	1488000pps max	1488000pps max	Auto-learning, auto-aging
	Jumbo frame 9K management	Yes	Yes	1488000pps max
GENERAL INFO	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	22	44	44
	Product width (mm)	125	280	440
	Product depth (mm)	65	180	208
	Case material	Metallic	Metallic	Metallic
	Product colour	Black	Black	Black
	Operating temperature (°C)	0÷40	0÷40	0÷40
	Operating humidity (%)	90 max	90 max	90 max

LENSES

BOX CAMERAS IP 700

	42246	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 2.4 to 6 mm, F1.2-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.
	42308	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 3 to 8 mm, F1-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.
	42412	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 4 to 12 mm, F1.4-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.
	42550	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 5 to 50 mm, F1.4-360, dimension 1/3'', CS mount, manual zoom and focus, iris adjustable on the camera, mininum distance from object being filmed of 0.3 m, pre-fitted connector.

HOUSING

BOX CAMERAS IP 700

	44130B	Waterproof outdoor/indoor housing with sunshield, thermostat-controlled heating, power supply 230 VAC, side opening action, case in ABS and die-cast aluminium, IP66 waterproof, cream colour, useful dimensions (W x H x D) 97 x 97.5 x 210 mm, weight 1.5 kg. Bracket included.
	44131	Pole mount accessory for housing art. 44130 and 44130B, pole diameter from 50 to 110 mm.

ACCESSORIES

BULLET CAMERAS IP 700

	HJB-04	Connection box, suitable for bullet cameras in the Professional series (not including art. AHCAM702A and ANPR922M3M), waterproof die-cast aluminium enclosure IP66. Dimensions (W x H x D) 110.4 x 110.4 x 70 mm.

MINIDOME CAMERAS IP 700

	DHW-01	Wall bracket for minidome cameras PROFESSIONAL series art. AHCAM722A, AHCAM727A, IPCAM723A, IPCAM768ZA e IPPTZ773B.
	FM22	Flush mount support for minidome cameras PROFESSIONAL series art. AHCAM722A, AHCAM727A and IPCAM723A.
	40732	Ceiling mount bracket for minidome cameras PROFESSIONAL series art. IPCAM768ZA e IPPTZ773B
	40734	Wall mount bracket for minidome IP art. IPCAM768ZA, IPCAM769ZA and IPPTZ773B.

IP

PTZ CAMERAS IP 700

	40722	Corner installation accessory for universal dome housing, compatible with art. 40728 and 40734.
	40726	Pole-mounting accessory (pole diameter from 80 to 140 mm) for art. 40728 and 40734.
	40728	Wall mount bracket for dome cameras PROFESSIONAL series art. AHPTZ779A e IPPTZ779C.
	40732	Ceiling mount bracket for minidome cameras PROFESSIONAL series art. IPCAM768ZA e IPPTZ773B
	40734	Wall mount bracket for minidome cameras PROFESSIONAL series art. IPCAM768ZA, IPCAM769ZA e IPPTZ773B.

NVR SERIES 700

	ISDVR716A	iSCSI backup device (32 volumes max.) up to 16 HDDs.

ANPR CAMERAS

Comelit	**BRK001**	Wall mount bracket for LPRCAM6xx cameras
	BRK002	Wall mount bracket and pole adapter for LPRCAM6xx cameras

WIFI 5 GHZ TRANSMISSION

WIFI 17 GHZ TRANSMISSION

WIFI TRANSMISSION

TRANSMISSION WIFI
SELECTION GUIDE 1-2

PRODUCTS WI-FI

OPERATING FREQUENCY		ARTICLE CODE	DESCRIPTION	DEVICE TYPE	MAXIMUM TRANSMISSION DISTANCE (*)	BANDWIDTH AVAILABLE	
INTEGRATED ANTENNA							
5 GHz		CPE115A	CPE 5GHZ, 3KM, SISO 802.11A/N, SINGLE POLARISATION	CPE	3 Km	15 Mbps	
5 GHz		CPE135A	CPE 5GHZ, 3KM, MIMO 802.11A/N, DOUBLE POLARISATION	CPE	3 Km	40 Mbps	
5 GHz		CPE155A	CPE 5GHZ, 3KM, MIMO 802.11A/N/AC, DOUBLE POLARISATION	CPE	3 Km	50 Mbps	
5 GHz		PTP125A	POINT TO POINT 5GHZ, 8KM, SISO 802.11A/N, SINGLE POLARISATION	Point to Point	8 Km	70 Mbps	
5 GHz		PTP135A	POINT TO POINT 5GHZ, 8KM, MIMO 802.11A/N, DOUBLE POLARISATION	Point to Point	8 Km	190 Mbps	
5 GHz		PTP155A	POINT TO POINT 5GHZ, 8KM, MIMO 802.11A/N, DOUBLE POLARISATION	Point to Point	8 Km	500 Mbps	
REPEATER DUAL RADIO							
5 GHz		RPT125A	REPEATER BRIDGE, 8KM, SISO 802.11A/N, DOUBLE POLARISATION	Repeater Bridge	8 Km	70 Mbps	
1 RADIO							
5 GHz		BASE105A	BASE 1RADIO 5GHZ, 25KM, SISO 802.11A/N, SINGLE POLARISATION1	Base Station	25 Km (min 8 Km)	70 Mbps	
5 GHz		BASE105EA	BASE 1RADIO 5GHZ, 25KM, SISO 802.11A/N, SINGLE POLARISATION1	Base Station	25 Km (min 8 Km)	70 Mbps	
5 GHz		BASE135A	BASE 1RADIO 5GHZ, 25KM, MIMO 802.11A/N, DOUBLE POLARISATION2	Base Station	25 Km (min 8 Km)	190 Mbps	
5 GHz		BASE135EA	BASE 1RADIO 5GHZ, 25KM, MIMO 802.11A/N, DOUBLE POLARISATION2	Base Station	25 Km (min 8 Km)	100 Mbps	
5 GHz		BASE155A	BASE 1RADIO 5GHZ, 25KM, MIMO 802.11A/N, DOUBLE POLARISATION2	Base Station	25 Km (min 8 Km)	500 Mbps	
5 GHz		BASE155EA	BASE 1RADIO 5GHZ, 25KM, MIMO 802.11A/N, DOUBLE POLARISATION2	Base Station	25 Km (min 8 Km)	500 Mbps	

(*) The actual transmission distance depends on factors such as environmental conditions, type of antennas used, system configuration, etc.
(1) The distance of transmission in point-to-multipoint installations depends on the configuration of the system

RF PROTOCOL	POLARISATION TYPE	ANTENNA	N° RADIO	SUPPLY TYPE	ETHERNET PORT (LAN)	IP PROTECTION RATING	ESD PROTECTION
IEEE 802.11a/n SISO	Single polarisation (23dB/11°)	Integrated	1	POE 12/24V VDC (external power supply 110-230 VAC)	Gigabit	IP68	No
IEEE 802.11a/n MIMO	Double polarisation (23dB/11°)	Integrated	1	POE 12/24V VDC (external power supply 110-230 VAC)	Gigabit	IP68	Yes
IEEE 802.11a/n/ac MIMO	Double polarisation (23dB/11°)	Integrated	1	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP68	Yes
IEEE 802.11a/n SISO	Single polarisation (23dB/11°)	Integrated	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	10/100 Mbps	IP68	Yes
IEEE 802.11a/n MIMO	Double polarisation (26dB/11°)	Integrated	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68	Yes
IEEE 802.11a/n/ac MIMO	Double polarisatione (26dB/11°)	Integrated	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68	Yes
IEEE 802.11a/n SISO	Double polarisation (23dB/9°)	Integrated + 1 N type connector for antenna	2	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68, Anti-vandal	Yes
IEEE 802.11a/n SISO	Single polarisation	1 N type connector for antenna	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	10/100 Mbps	IP68, Anti-vandal	Yes
IEEE 802.11a/n SISO	Single polarisation	1 N type connector for antenna	1	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP67	No
IEEE 802.11a/n MIMO	Double polarisation	2 N type connectors for antenna	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68, Anti-vandal	Yes
IEEE 802.11a/n MIMO	Double polarisation	2 N type connectors for antenna	1	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP67	No
IEEE 802.11a/n/ac MIMO	Double polarisation	2 N type connectors for antenna	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68, Anti-vandal	Yes
IEEE 802.11a/n/ac MIMO	Double polarisation	2 N type connectors for antenna	1	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP67	No

PRODUCTS WI-FI

OPERATING FREQUENCY		ARTICLE CODE	DESCRIPTION	DEVICE TYPE	MAXIMUM TRANSMISSION DISTANCE (*)	BANDWIDTH AVAILABLE	
2 RADIO							
5 GHz		BASE205A	BASE 2RADIO 5GHZ, SISO 802.11A/N, SINGLE POLARISATION2	Base Station	(1)	140 Mbps	
5 GHz		BASE205EA	BASE 2RADIO 5GHZ, SISO 802.11A/N, SINGLE POLARISATION2	Base Station	(1)	100 Mbps	
5 GHz		BASE235A	BASE 2RADIO 5GHZ, MIMO 802.11A/N, DOUBLE POLARISATION4	Base Station	(1)	350 Mbps	
5 GHz		BASE235EA	BASE 2RADIO 5GHZ, MIMO 802.11A/N, DOUBLE POLARISATION4	Base Station	(1)	100 Mbps	
3 RADIO							
5 GHz		BASE305A	BASE 3RADIO 5GHZ, SISO 802.11A/N, SINGLE POLARISATION3	Base Station	(1)	140 Mbps	
5 GHz		BASE305EA	BASE 3RADIO 5GHZ, SISO 802.11A/N, SINGLE POLARISATION3	Base Station	(1)	100 Mbps	
17 GHZ							
17 GHz		BASE1017A	BASE 1RADIO 17GHZ, 802.11N/AC, CIRCLE POLARISATION	Base Station	(1)	240 Mbps	
17 GHz		CPE1917A	CPE POINT TO MULTI-POINT 17GHZ, SISO 802.11N, CIRCLE POLARISATION	CPE	(1)	60 Mbps	
17 GHz		PTP1217A	POINT TO POINT 17GHZ, 802.11A/N, CIRCLE POLARISATION	Point to Point	4 Km	240 Mbps	
17 GHz		PTP1217EA	POINT TO POINT 17GHZ, 802.11A/N, CIRCLE POLARISATION	Point to Point	4 Km	240 Mbps	

(*) The actual transmission distance depends on factors such as environmental conditions, type of antennas used, system configuration, etc.
(1) The distance of transmission in point-to-multipoint installations depends on the configuration of the system

RF PROTOCOL	POLARISATION TYPE	ANTENNA	N° RADIO	SUPPLY TYPE	ETHERNET PORT (LAN)	IP PROTECTION RATING	ESD PROTECTION
IEEE 802.11a/n SISO	Single polarisation	2 N type connectors for antenna	2	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68, Anti-vandal	Yes
IEEE 802.11a/n SISO	Single polarisation	2 N type connectors for antenna	2	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP67	No
IEEE 802.11a/n MIMO	Double polarisation	4 N type connectors for antenna	2	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68, Anti-vandal	Yes
IEEE 802.11a/n MIMO	Double polarisation	4 N type connectors for antenna	2	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP67	No
IEEE 802.11a/n SISO	Single polarisation	3 connectors for antenna	3	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68, Anti-vandal	Yes
IEEE 802.11a/n SISO	Single polarisation	3 N type connectors for antenna	3	POE 12/24V VDC (external power supply 110-230 VAC)	10/100 Mbps	IP67	No
IEEE 802.11n/ac	Circle polarisation (20dB/45°)	Integrated	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68	Yes
IEEE 802.11n SISO	Circle polarisation (28dB/6°)	Integrated	1	POE 24VDC (external power supply 110-230 VAC)	Gigabit	IP68	Yes
IEEE 802.11n/ac	Circle polarisation (28dB/6°)	Integrated	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Gigabit	IP68	Yes
IEEE 802.11n/ac	Circle polarisation (28dB/6°)	Integrated	1	POE802.3af/at 48VDC (external power supply 110-230 VAC)	Optical, Gigabit	IP68	Yes

WIFI

INTEGRATED ANTENNA

		CPE115A	CPE135A	CPE155A
MAIN SPECIFICATIONS	Power Consumption	4,5W	4,5W	4,5W
	Supply Type	POE 12/24V VDC(external power supply 110-230VAC)	POE 12/24V VDC(external power supply 110-230VAC)	POE 12/24V VDC(external power supply 110-230VAC)
	Wireless security	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption
	Operating frequency	4.90÷5.85GHz	4.90÷5.85GHz	4.90÷5.85GHz
	Available bandwidth	15Mb/s	40Mb/s	50Mb/s
	DSSS modulation	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA
	OFDM modulation	BPSK, QPSK, 16 QAM, 64 QAM, TDMA	BPSK, QPSK, 16 QAM, 64 QAM, TDMA	BPSK, QPSK, 16 QAM, 64 QAM, TDMA
	Maximum transmission power	23dBm	30dBm	30dBm
	Sensitivity @ datarate	-93dBm @ 20MHz-MCS0, -68dBm @ 20MHz-MCS7	-96dBm@20MHz-MCS0, -78dBm@20MHz-MCS7	-96dBm@20MHz-MCS0, -72dBm@20MHz-MCS7
	Power transmission management	Function TPC - ERC/DEC(99)23	Function TPC - ERC/DEC(99)23	Function TPC - ERC/DEC(99)23
	Channel management	DFS(Dynamic Frequency Selection), auto channel, selection, radar free, CEPT ERC 70-03	DFS(Dynamic Frequency Selection), auto channel, selection, radar free, CEPT ERC 70-03	DFS(Dynamic Frequency Selection), auto channel, selection, radar free, CEPT ERC 70-03
	Management mode	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP
	Bridge	Multiple bridge, RSTP/STP, Bridge firewall	Multiple bridge, RSTP/STP, Bridge firewall	Multiple bridge, RSTP/STP, Bridge firewall
	Routing	RIP, OSPF, BGP, MPLS, MME, HWMP+	RIP, OSPF, BGP, MPLS, MME, HWMP+	RIP, OSPF, BGP, MPLS, MME, HWMP+
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing, QinQ, nesting VLAN	802.1q, multiple VLAN interface, inter VLAN routing, QinQ, nesting VLAN	802.1q, multiple VLAN interface, inter VLAN routing, QinQ, nesting VLAN
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP, oVPN, SSTP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP, oVPN, SSTP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP, oVPN, SSTP
	SNMP	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB
	QoS (p.1)	WMM, 802.1p, IP ToS RFC791, CBQ Queuing; L7 traffic inspection; Hierarchical HTB; PCQ, RED, SFQ, FIFO queue with burst	WMM, 802.1p, IP ToS RFC791, CBQ Queuing; L7 traffic inspection; Hierarchical HTB; PCQ, RED, SFQ, FIFO queue with burst	WMM, 802.1p, IP ToS RFC791, CBQ Queuing; L7 traffic inspection; Hierarchical HTB; PCQ, RED, SFQ, FIFO queue with burst
	Safety	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
GENERAL INFO	Product height (mm)	320	320	320
	Product width (mm)	320	320	320
	Product depth (mm)	65	65	65
	Case material	Aluminium cover	Aluminium cover	Aluminium cover
	Operating temperature (°C)	-40÷70	-40÷70	-40÷70

INTEGRATED ANTENNA

		PTP125A	PTP135A	PTP155A
MAIN SPECIFICATIONS	Power Consumption	11W	11W	11W
	Supply Type	POE 802.3af, at 48Vdc(external power supply 110÷230Vac)	POE802.3af/at 48VDC	POE802.3af/at 48VDC
	Wireless security	Filtrage Mac, WPA2(EAP, AES, TKIP), DFS, TPC	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption
	Operating frequency	4.90÷5.85GHz	4.90÷5.85GHz	4.90÷5.85GHz
	Available bandwidth	70Mb/s	190Mb/s	500Mb/s
	DSSS modulation	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA
	OFDM modulation	BPSK, QPSK, 16 QAM, 64 QAM, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA
	Maximum transmission power	25dBm	25dBm	30dBm
	Sensitivity @ datarate	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-96dBm@20MHz-MCS0, -72dBm@20MHz-MCS7
	Power transmission management	Function TPC	Function TPC	Function TPC
	Channel management	DFS(Dynamic Frequency Selection), radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free
	Management mode	Telnet, client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP
	Bridge	Multiple bridge interfaces, MAC Address table monitored in real time, RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol
	Routing			
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP
	SNMP	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB
	QoS (p.1)	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB QoS system with bursts	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB QoS system with bursts	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB QoS system with bursts
	QoS (p.2)	PCQ, RED, SFQ, FIFO queue, CIR, MIR Contention ratios	PCQ, RED, SFQ, FIFO queue; CIR, MIR Contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR Contention ratios, dynamic client rate equalizing
	Safety	Firewall P2P limitation, Mac-address filtering IP address & protocol filtering, Radius server Authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
GENERAL INFO	Product height (mm)	340	340	340
	Product width (mm)	340	340	340
	Product depth (mm)	90	90	90
	Case material	Aluminium cover	Aluminium cover	Aluminium cover
	Operating temperature (°C)	-40÷70	-40÷70	-40÷70

REPEATER DUAL RADIO TRANSMITTER

RPT125A

MAIN SPECIFICATIONS		
	Power Consumption	11W
	Supply Type	POE802.3af/at 48VDC
	Wireless security	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption
	Operating frequency	4.90÷5.85GHz
	DSSS modulation	DBPSK, DQPSK, CCK TDMA
	OFDM modulation	BPSK, QPSK, 16 QAM, 64 QAM, TDMA
	Maximum transmission power	25dBm
	Sensitivity @ datarate	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7
	Power transmission management	Function TPC
	Channel management	DFS(Dynamic Frequency Selection), auto channel, selection, radar free
	Management mode	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP
	Bridge	Multiple bridge interfaces, Layer 2 Filtering and QoS, RSTP/STP Spanning Tree Protocol
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP
	SNMP	SNMP V1 client, MIB II, Bridge MIB
	QoS (p.1)	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB
	QoS (p.2)	QoS system with bursts, PCQ, RED, SFQ, FIFO queue, CIR, MIR Contention ratios
	Safety	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
GENERAL INFO	Product height (mm)	470
	Product width (mm)	470
	Product depth (mm)	95
	Case material	Aluminium cover
	Operating temperature (°C)	-40÷70

BASE STATION WITH 1 RADIO TRANSMITTERS

		BASE105A	BASE105EA	BASE135A	
MAIN SPECIFICATIONS	Power Consumption	11W	11W	11W	
	Supply Type	POE802.3af/at 48VDC	POE 12/24V DC(external power supply 110-230VAC)	POE802.3af/at 48VDC	
	Wireless security	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	
	Operating frequency	4.90÷5.85GHz	4.90÷5.85GHz	4.90÷5.85GHz	
	Available bandwidth	70Mb/s	70Mb/s	190Mb/s	
	DSSS modulation	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	
	OFDM modulation	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA	
	Maximum transmission power	25dBm	21dBm	25dBm	
	Sensitivity @ datarate	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-95dBm @ 20MHz-MCS0, -77dBm @ 20MHz-MCS7	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	
	Power transmission management	Function TPC	Function TPC	Function TPC	
	Channel management	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	
	Management mode	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	
	Bridge	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	
	SNMP	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	
	QoS (p.1)	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	
	QoS (p.2)	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	
	Safety	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	
GENERAL INFO	Product height (mm)	280	260	280	
	Product width (mm)	190	200	190	
	Product depth (mm)	110	90	110	
	Case material	Aluminium cover	Aluminium cover	Aluminium cover	
	Operating temperature (°C)	-40÷70	-40÷70	-40÷70	

WIFI

	BASE135EA	BASE155A	BASE155EA
	11W	11W	11W
	POE 12÷24Vdc(external power supply 110÷230Vac)	POE802.3af/at 48VDC	POE 12/24V VDC(external power supply 110-230VAC)
	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption
	4.90÷5.85GHz	4.90÷5.85GHz	4.90÷5.85GHz
	100Mb/s	500Mb/s	500Mb/s
	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA
	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK, 256 QAM, TDMA	BPSK, QPSK, 256 QAM, TDMA
	25dBm	30dBm	30dBm
	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-92dBm @ 20MHz-MCS0, -72dBm @ 20MHz-MCS9	-92dBm @ 20MHz-MCS0, -72dBm @ 20MHz-MCS9
	Function TPC	Function TPC	Function TPC
	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free
	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP
	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol
	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing
	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP
	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB
	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB
	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing
	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
	260	280	260
	200	190	200
	90	110	90
	Aluminium cover	Aluminium cover	Aluminium cover
	-40÷70	-40÷70	-40÷70

WIFI

BASE STATION WITH 2 RADIO TRANSMITTERS

		BASE205A	BASE205EA	BASE235A	BASE235EA
MAIN SPECIFICATIONS	Power Consumption	11W	11W	11W	11W
	Supply Type	POE802.3af/at 48VDC	POE 12/24V VDC(external power supply 110-230VAC)	POE802.3af/at 48VDC	POE 12/24V VDC(external power supply 110-230VAC)
	Wireless security	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption
	Operating frequency	4.90÷5.85GHz	4.90÷5.85GHz	4.90÷5.85GHz	4.90÷5.85GHz
	Available bandwidth	140Mb/s	100Mb/s	350Mb/s	100Mb/s
	DSSS modulation	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA
	OFDM modulation	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA
	Maximum transmission power	25dBm	21dBm	25dBm	25dBm
	Sensitivity @ datarate	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-95dBm @ 20MHz-MCS0, -77dBm @ 20MHz-MCS7	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7
	Power transmission management	Function TPC	Function TPC	Function TPC	Function TPC
	Channel management	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free
	Management mode	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP
	Bridge	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP
	SNMP	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB
	QoS (p.1)	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB
	QoS (p.2)	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing
	Safety	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
GENERAL INFO	Product height (mm)	280	260	280	260
	Product width (mm)	190	200	190	200
	Product depth (mm)	110	90	110	90
	Case material	Aluminium cover	Aluminium cover	Aluminium cover	Aluminium cover
	Operating temperature (°C)	-40÷70	-40÷70	-40÷70	-40÷70

WIFI

BASE STATION WITH 3 RADIO TRANSMITTERS

		BASE305A	BASE305EA
MAIN SPECIFICATIONS	Power Consumption	11W	11W
	Supply Type	POE802.3af/at 48VDC	POE 12/24V VDC(external power supply 110-230VAC)
	Wireless security	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP, Radius Auth, Management Frame Encryption
	Operating frequency	4.90÷5.85GHz	4.90÷5.85GHz
	Available bandwidth	140Mb/s	100Mb/s
	DSSS modulation	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA
	OFDM modulation	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK,16 QAM, 64 QA, TDMA
	Maximum transmission power	25dBm	25dBm
	Sensitivity @ datarate	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7
	Power transmission management	Function TPC	Function TPC
	Channel management	DFS(Dynamic Frequency Selection), auto channel, selection, radar free	DFS(Dynamic Frequency Selection), auto channel, selection, radar free
	Management mode	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP	Telnet client, Telnet server, MAC Telnet server, SSH, SSH on GUI, HTTP
	Bridge	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol	Multiple bridge interfaces, MAC Address table monitored in real time; RSTP Rapid Spanning Tree Protocol
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP
	SNMP	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB
	QoS (p.1)	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS RFC791(Layer3 traffic priority), CBQ queuing Layer 4-7 traffic shaping, hierarchical HTB
	QoS (p.2)	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing	QoS system with bursts, PCQ, RED, SFQ, FIFO queue; CIR, MIR contention ratios, dynamic client rate equalizing
	Safety	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
GENERAL INFO	Product height (mm)	280	260
	Product width (mm)	190	200
	Product depth (mm)	110	90
	Case material	Aluminium cover	Aluminium cover
	Operating temperature (°C)	-40÷70	-40÷70

WIFI

INTEGRATED ANTENNA

		CPE1917A	BASE1017A	PTP1217A	PTP1217EA
MAIN SPECIFICATIONS	Power Consumption	12W	20W	20W	20W
	Supply Type	POE 24V VDC(external power supply 110-230 VAC)	POE802.3af/at 48VDC	POE802.3af/at 48VDC	POE802.3af/at 48VDC
	Wireless security	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/ tkip PSK/EAP, Radius Auth, Management Frame Encryption
	Operating frequency	17.10÷17.30GHz	17.10÷17.30GHz	17.10÷17.30GHz	17.10÷17.30GHz
	Available bandwidth	60Mb/s		240Mb/s	240Mb/s
	DSSS modulation	DBPSK, DQPSK, CCK TDMA	DBPSK, DQPSK, CCK TDMA		
	OFDM modulation	BPSK, QPSK,16 QAM, 64 QA, TDMA	BPSK, QPSK, 256 QAM, TDMA	BPSK, QPSK, 256 QAM, TDMA	BPSK, QPSK, 256 QAM, TDMA
	Maximum transmission power	5dBm	5dBm	5dBm	5dBm
	Sensitivity @ datarate	73dBm @ 40MHz-MCS0, 53dBm @ 40MHz-MCS7	70dBm@80MHz-MCS0, 41dBm@80MHz-MCS7	70dBm @ 80MHz-MCS0, 41dBm @ 80MHz-MCS7	70dBm @ 80MHz-MCS0, 41dBm @ 80MHz-MCS7
	Power transmission management	Function TPC	Function TPC	Function TPC	Function TPC
	Channel management	Auto Channel, Selection, Radar free	Auto Channel, Selection, Radar free	Auto Channel, Selection, Radar free	Auto Channel, Selection, Radar free
	Management mode	Windows GUI(by emulator Linux/Mac), Telnet, MAC Telnet, SSH, HTTP	Windows GUI (by emulator Linux/Mac), Telnet, MAC Telnet, SSH, HTTP	Windows GUI(by emulator Linux/Mac), Telnet, MAC Telnet, SSH, HTTP	Windows GUI(by emulator Linux/Mac), Telnet, MAC Telnet, SSH, HTTP
	Bridge	Multiple bridge interfaces, Layer 2 Filtering and QoS, RSTP/STP Spanning Tree Protocol	Multiple bridge interfaces, Layer 2 Filtering and QoS, RSTP/STP Spanning Tree Protocol	Multiple bridge interfaces, Layer 2 Filtering and QoS, RSTP/STP Spanning Tree Protocol	Multiple bridge interfaces, Layer 2 Filtering and QoS, RSTP/STP Spanning Tree Protocol
	VLAN	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing	802.1q, multiple VLAN interface, inter VLAN routing
	VPN	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP	IPSEC, EoIP, PPtP, VLAN, L2TP, PPPoE, IPIP
	SNMP	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB	SNMP V1 client, MIB II, Bridge MIB
	QoS (p.1)	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB	802.1p(Layer2 traffic priority), IPToS, CBQ queuing, layer 4-7 traffic shaping, hierarchical HTB
	QoS (p.2)	QoS system with bursts, PCQ, RED, SFQ, FIFO queue, CIR, MIR Contention ratios	QoS system with bursts, PCQ, RED, SFQ, FIFO queue, CIR, MIR Contention ratios	QoS system with bursts, PCQ, RED, SFQ, FIFO queue, CIR, MIR Contention ratios	QoS system with bursts, PCQ, RED, SFQ, FIFO queue, CIR, MIR Contention ratios
	Safety	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)	Firewall P2P limitation, Mac-address filtering L7 filtering, Radius server authentication(AAA)
	PRODUCT DIAMETER (MM)	350	350	350	350
GENERAL INFO	Product depth (mm)	240	240	240	240
	Case material	Aluminium cover	Aluminium cover	Aluminium cover	Aluminium cover
	Operating temperature (°C)	-40÷70	-40÷70	-40÷70	-40÷70

ACCESSORIES

WIFI 5 GHZ TRANSMISSION

	SET090A	5 GHz sector antenna, horizontal aperture 90°, vertical aperture 7°, gain 17 dBi, maximum power 100W, vertical linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, female N-type connector, operating temperature -45°C to +65°C, dimensions (W x H x D) 175 x 470 x 60 mm.
	SET120A	5 GHz sector antenna, horizontal aperture 120°, vertical aperture 7°, gain 16 dBi, maximum power 100W, vertical linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, female N-type connector, operating temperature -45°C to +65°C, dimensions (W x H x D) 175 x 470 x 60 mm.
	OMNI360A	5 GHz omnidirectional antenna, horizontal aperture 360°, vertical aperture 7°, gain 12 dBi, maximum power 100W, vertical linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, female N-type connector, operating temperature -45°C to +65°C, dimensions (ø x H) 20 x 700 mm.
	SETM090A	5 GHz MIMO sector antenna, horizontal aperture 90°, vertical aperture 7°, gain 17 dBi, maximum power 100W, vertical and horizontal linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, 2 female N-type connectors, operating temperature -45°C to +65°C, dimensions (W x H x D) 175 x 470 x 60 mm.
	SETM120A	5 GHz MIMO sector antenna, horizontal aperture 120°, vertical aperture 7°, gain 16 dBi, maximum power 100W, vertical and horizontal linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, 2 female N-type connectors, operating temperature -45°C to +65°C, dimensions (W x H x D) 175 x 470 x 60 mm.
	PANS010A	5 GHz directional panel antenna, horizontal aperture 10°, vertical aperture 10°, gain 23 dBi, maximum power 100W, vertical or horizontal linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, female N-type connector, operating temperature -45°C to +65°C, dimensions (W x H x D) 338 x 338 x 43 mm.
	PAND010A	5 GHz directional panel antenna, horizontal aperture 10°, vertical aperture 10°, gain 23 dBi, maximum power 100W, vertical and horizontal linear polarisation, impedance 50 Ohm, wind resistance up to 160 km/h, female N-type connector, operating temperature -45°C to +65°C, dimensions (W x H x D) 338 x 338 x 43 mm.
	PARS060A	5 GHz parabolic antenna, horizontal aperture 6°, vertical aperture 6°, gain 28 dBi, maximum power 100W, vertical or horizontal linear polarisation, impedance 50 Ohm, wind resistance up to 200 km/h, female N-type connector, operating temperature -45°C to +65°C, diameter 700 mm.
	PARD060A	5 GHz parabolic antenna, horizontal aperture 6°, vertical aperture 6°, gain 28 dBi, maximum power 100W, vertical and horizontal linear polarisation, impedance 50 Ohm, wind resistance up to 200 km/h, female N-type connector, operating temperature -45°C to +65°C, diameter 700 mm.
	CAN001A	Radio frequency cable with N connectors, length 1 m.
	CAN002A	Radio frequency cable with N connectors, length 2 m.
	CAN003A	Radio frequency cable with N connectors, length 3 m.
	SAN001A	Spark gap, N connectors, length 3 m.

HARD DISK

	SDSK324A	SATA HARD DISK, CAPACITY OF 1 TB, FOR DVR/NVR START SERIES
	SDSK325A	SATA HARD DISK, CAPACITY OF 2 TB, FOR DVR/NVR START SERIES
	WDSK325A	HARD DISK WITH 2 TB CAPACITY FOR DVR/NVR "WESTERN DIGITAL PURPLE"
	WDSK327A	HARD DISK WITH 4 TB CAPACITY FOR DVR/NVR "WESTERN DIGITAL PURPLE"

MONITOR
PRODUCTS CATALOGUE

MONITOR					

		SMON156A	SMON185B	MMON185A	MMON215A
MAIN SPECIFICATIONS	Type	15.6'' led	18.5'' led	18.5'' led	21.5'' led
	Video inputs	1(VGA)	1((DVI))*	1(VGA), 1(BNC+1loop), 1(HDMI), 1(S-Video)	1(VGA), 1(HDMI)
	Image contrast ratio	16:9	16:9	16:9	16:9
	Resolution	HD	HD	HD	FULL-HD
	Color supported (million)	16.7	16.7	16.7	16.7
	Contrast ratio	5000000:1(DCR)	5000000:1(DCR)	5000000:1(DCR)	5000000:1(DCR)
	Brightness (cd/m2)	220	250	250	250
	Viewing angle (right/ left/up/ down, degrees)	150 / 150 / 135 / 135	170 / 170 / 160 / 160	178 / 178 / 178 /178	170 / 170 / 160 / 160
	Response time (ms)	3	3	3	3
HARDWARE SPECIFICATIONS	Audio inputs/outputs	1/2 (speakers, 2 W)	1/2 (speakers, 2 W)	1/2 (speakers, 2 W)	1/2 (speakers, 2 W)
GENERAL INFO	Power consumption	20W Max	20W Max	30W max	25W max
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	297	334	341	376
	Product width (mm)	378	444	452	517
	Product depth (mm)	60	60	60	63
	Product weight	1,6Kg	2,5Kg	2,5Kg	2,5Kg
	Chassis material	Plastic	Plastic	Plastic	Plastic
	Chassis colour	Black	Black	Black	Black
	Operating temperature (°C)	0÷40	0÷40	0÷50	0÷40
	Operating humidity (%)	85max	85max	85max	85max

* Adapter cable from DVI to VGA included.

MONITOR

		HMON032B	HMON043A	HMON055B
MAIN SPECIFICATIONS	Type	32'' led	43" led	55" led
	Video inputs	1(VGA), 1(HDMI), 2(BNC)	1(VGA), 2(HDMI), 2(BNC in+out)	1(VGA), 1(HDMI), 2(BNC)
	Image contrast ratio	16:9	16:9	16:9
	Resolution	FULL-HD	FULL-HD	FULL-HD
	Color supported (million)	16.7	16.7	16.7
	Contrast ratio	1400:1	1200:1	1400:1
	Brightness (cd/m2)	250	300	350
	Viewing angle (right/ left/up/ down, degrees)	178 / 178 / 178 / 178	178 / 178 / 178 / 178	178 / 178 / 178 / 178
	Response time (ms)	8	8	8
HARDWARE SPECIFICATIONS	Audio inputs/outputs	1/2 (speaker, 3W)	1/2 (speakers, 5W)	1/2 (speakers, 3W)
GENERAL INFO	Power consumption	75W max	80W max	100W max
	AC supply voltage	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz	100÷240V, 50÷60Hz
	Product height (mm)	446	582	736
	Product width (mm)	738	980	1250
	Product depth (mm)	55	64	61
	Product weight	15Kg	22Kg	31,5Kg
	Chassis material	Metallic	Metallic	Metallic
	Chassis colour	Black	Black	Black
	Operating temperature (°C)	0÷40	0÷40	0÷40
	Operating humidity (%)	90max	85max	90max

POWER SUPPLIES UNITS AND ACCESSORIES

POWER SUPPLIES UNITS

	1195	Power Supply, 230v ac/50-60 hz input,12v/24v ac output with terminal strip.
	43015	Power supply applicable to din rail (3 modules), input from 110 to 240 VAC/50-60 Hz, output 12 VDC / 1.5 A with screw terminals.
	43025	Power supply applicable to din rail (6 modules), input from 110 to 254 VAC/50-60 Hz, output 12 VDC/2.5 A with screw terminals.
	43082	Plug power supply, input from 100 to 240 VAC/50-60 Hz, output 12 VDC/1.33A with jack connector.
	43082UK	Plug power supply, input from 100 to 240 VAC/50-60 Hz, output 12 VDC/1.5A with jack connector, UK plug.
	43012	Converter voltage-stabilised, input from 20 to 28 VAC / from 16 to 30 VDC, output 12 VDC / 0.5 A.
	CONAL01A	Connector for power supply, 2 screw terminals, male jack type connector.
	CONAL02A	Connector for power supply, 2 screw terminals, female jack type connector.
	43970	Female jack connector, body of nickel-plated brass, cable clamp to crimp.
	43971	Male jack connector, body of nickel-plated brass, cable clamp to crimp, diameter of central pin: 2.1 mm.

ACCESSORIES CONVERTERS

	SVGA671B	Active converter from composite video signal (PAL/NTSC) to VGA signal, 1 BNC connector for video input, 1 VGA connector for video output, built-in ESD protection, 5 VDC power supply, metallic case, black colour, power supply included.
	SVGA672C	Active converter from VGA video signal to composite video signal (PAL/NTSC), 1 VGA connector for video input, 1 VGA connector for video output, 1 RCA connector (with BNC adapter supplied) for composite video output, OSD menu, power supply via USB cable (supplied), plastic case, black colour.
	SCON752B	Active converter from RS232 to RS485 (PTZ and Dome cameras), 1 DB9-type connector for RS232 input, 1 screw terminal for RS485 output (32 ID max), half duplex, baud rate auto-configuration, 5 VDC power supply (power supply included), plastic case, grey colour.
	IPEOC001A	Active converter from LAN 10/100 Base/T to coaxial cable RG59 75 ohm and viceversa for signal transmission of IP equipment, included the PoE power supply. Maximum distance 125 metres, RJ45 connector for LAN, BNC connector for coaxial cable, power supply 48 VDC (power supply included). Tx dimensions (W x H x D): 130 x 27 x 67 mm. Rx dimensions (W x H x D): 117 x 33 x 75 mm.

ACCESSORIES COAX TRANSMISSION

	AHUTP610C	AHD passive transceivers for UTP cable
	AHUTP611C	AHD passive transceiver for UTP cable
	43202	Protection against electrostatic discharge on the coaxial cable, metal case.

	43208	Protection against electrostatic discharge on the coaxial cable, on the data cable and on the low-voltage power cable, black metal case.
	43212	Passive filter corrector, eliminates the interference caused by different earth/ground potentials (ground loop).
	4555/A	Video distributor, 1 input, 4 outputs, 12 VDC power supply, din plastic cladding (4 modules), white colour scheme.
	43132	19'' rack amplified video distributor, 16 inputs, 32 outputs, maximum distance using RG59 cable 1000 metres, 12 VDC power supply, metal case, power supply included.

ACCESSORIES

	VIDEOTEST	Video tester for analogue signal, AHD/TVI (720p/1080p), UTP cables and RS485 serial (Pelco-P and Pelco-D protocol). 3.5" LCD screen, resolution 960 x 240. Video pattern generator, 12Vdc/1A output for camera power supply, battery life 8 hours. 9 Vdc/2A power supply unit supplied. Dimensions (W x H x D): 105 x 188 x 44 mm.
	48758	19'' rack (1 unit) serial active distributor from RS485 to 16 x RS422, 1 screw terminals for RS485 input, 1 screw terminals for RS485 output, 16 screw terminals for RS422 outputs, maximum distance 1200 metres, 12 VDC power supply, metallic case, black colour.
	43610	Ultra-sensitive microphone with 45 cm of cable, 12 VDC power supply.
	43660	BNC connector to be welded and screwed, body of nickel-plated brass with teflon insulation, appropriate for cable item 43751-RG/59U (box of 50 units).
	43661	BNC connector to be crimped, body of nickel-plated brass with teflon insulation, appropriate for cable item 43751-RG59/U (box of 50 units).
	43662	Adapter from socket BNC to socket BNC, body of nickel-plated brass with polyester insulation, appropriate for connectors art. 43660, 43661, 43663 and art. 43665 (box of 10 units).
	43663	BNC connector to be crimped, body of nickel-plated brass with teflon insulation, appropriate for cable RG174 and art. 43754 (box of 50 units).
	43665	BNC plug with right-angle bracket to be screwed, body of nickel-plated brass with polypropylene insulation, appropriate for cable art. 43751-RG59/U (box of 50 units).
	43668	T adapter from BNC plug to dual BNC socket, body of nickel-plated brass with polyester insulation, appropriate for connectors art. 43660, 43661, 43663 and art. 43665 (box of 10 units).
	43950	Adapter for RCA male connector to BNC female connector, body of nickel-plated brass with PTFE insulation.
	43952	BNC connector to be welded and screwed, body of nickel-plated brass with Teflon insulation, appropriate for Comelit cable art. 43752-RG11.
	43960	RCA male connector, body of nickel-plated brass with bakelite insulation, terminals to be welded, cable clamp to crimp.
	43751	RG59/U coaxial cable, impedance 75 ohm, copper shielding, solid polythene insulation, PVC sheath, black colour, suitable for medium lengths (300 m max at colour), 6 mm diameter.
	43752	RG11 coaxial cable, impedance 75 ohm, 0.6 mm wire, copper shielding, solid polythene insulation, PVC sheath, black colour, suitable for long lengths (600 m max at colour).
	43753	RG59-MICRO coaxial cable, impedance 75 ohm, copper shielding, solid polythene insulation, PVC sheath, black colour, 4 mm diameter.
	43754	RG174 miniaturised coaxial cable + 4 conductors (2x0.5 mm², 2x0.25 mm²), impedance 75 ohm, conductor of 0.64 mm, copper screen, cellular polyethylene insulation, PVC sheath, black colour, appropriate for short lengths.
	43670	Gripper for BNC connectors, funicular action, appropriate for connectors art. 43661.

AHCAM609A	AHD BULLET CAMERA 3MP, 3.6MM, IR 25M, IP66	34
AHCAM617C	AHD HD BULLET CAMERA, 2.8-12 MM, IR 30 M, IP66	25
AHCAM618AWDR	AHD FULL-HD BULLET CAMERA, 2.8-12MM, WDR	30
AHCAM618B	FULL-HD BULLET AHD CAMERA, 2.8-12MM, IR 30M, IP66	30
AHCAM618ZA	FULL-HD BULLET AHD CAMERA, MOT.ZOOM 2.8-12MM, IR	30
AHCAM619ZA	AHD BULLET CAMERA 3MP, ZOOM 2.8-12MM, IR 35M	34
AHCAM626C	AHD HD MINIDOME CAMERA, 2.8 MM, IR 20 M, IP66	26
AHCAM627C	AHD HD MINIDOME CAMERA, 3.6 MM, IR 25 M, IP66	26
AHCAM628B	FULL-HD MINDOME AHD CAMERA, 3.6MM, IR 20M, IP66	32
AHCAM629A	AHD MINIDOME CAMERA 3MP, 3.6MM, IR 25M, IP66	36
AHCAM631A	HD VANDALDOME AHD CAMERA, 2.8-12MM, IR 15M, IP66	27
AHCAM633A	AHD VANDALDOME FULL-HD CAMERA,6-22MM,IR 15M, IP66	33
AHCAM637C	AHD HD MINIDOME CAMERA, 2.8-12 MM, IR 30 M, IP66	27
AHCAM638AWDR	AHD FULL-HD MINIDOME CAMERA, 2.8-12MM, WDR	33
AHCAM638B	FULL-HD MINIDOME AHD CAMERA, 2.8-12MM, IR 30M,IP66	32
AHCAM638ZA	FULL-HD MINIDOME AHD CAMERA, MOT.ZOOM 2.8-12MM, IR	32
AHCAM639ZA	AHD MINIDOME CAMERA 3MP, ZOOM 2.8-12MM, IR 35M	36
AHCAM683A	AHD HD CAMERA, 3.7 MM, PIR HOUSING	28
AHCAM685A	AHD HD CAMERA, 3.7 MM, SMOKE DETECTOR HOUSING	28
AHCAM688A	AHD HD MINI CAMERA, 3.7MM	28
AHCAM696A	HD BULLET AHD CAMERA, 5-50MM, IR 60M, IP66	25
AHCAM697A	HD BULLET AHD CAMERA, 2.8-12MM, IR 40M, IP66	25
AHCAM700A	AHD BULLET FULL-HD CAMERA, 3.6MM, IR 25M, IP66	66
AHCAM702B	AHD FULL-HD BULLET CAMERA,2.8-12MM,IR 40M,IP66	66
AHCAM722A	AHD VANDALDOME FULL-HD CAMERA, 3.6MM, IR 25M, IP66	67
AHCAM727A	AHD MINIDOME FULL-HD CAM., 2.8-12MM, IR 25M, IP66	67
AHDVR0320A	4-HYBRID DVR, 32 HD INPUTS, 480 IPS, 2TB HDD	29
AHDVR040B	4-HYBRID DVR, 4 HD INPUTS, 100 FPS, 1TB HDD	29
AHDVR043A	5-HYBRID DVR, 4 3MP INPUTS, 1TB HDD	37
AHDVR080B	4-HYBRID DVR, 8 HD INPUTS, 200 FPS, 1TB HDD	29
AHDVR083A	5-HYBRID DVR, 8 3MP INPUTS, 1TB HDD	37
AHDVR160B	4- HYBRID DVR, 16 HD INPUTS, 400 FPS, 1TB HDD	29
AHDVR163A	5-HYBRID DVR, 16 3MP INPUTS, 2TB HDD	37
AHDVR742B	4-HYBRID DVR, 4 FULL-HD INPUTS, 100 IPS, 1TB HDD	68
AHDVR742W	4-HYBRID DVR, 4 FULL-HD INPUTS, WDD 1TB PURPLE	70
AHDVR762B	4-HYBRID DVR, 16 FULL-HD INPUTS, 200 IPS, 1TB HDD	68
AHDVR762W	4-HYBRID DVR, 16 FULL-HD INPUTS, WDD 2TB PURPLE	70
AHDVR782B	4-HYBRID DVR, 8 FULL-HD INPUTS, 200 IPS, 1TB HDD	68
AHDVR782W	4-HYBRID DVR, 8 FULL-HD INPUTS, WDD 2TB PURPLE	70
AHPT-1001B	CEILING-MOUNTING BRACKET FOR CAMERA ART. AHPTZ10IR	38
AHPTZ10IRB	FULL-HD PTZ AHD CAMERA, 10X ZOOM, IR 50M, IP66	33
AHPTZ122IRA	AHD PTZ FULL-HD CAMERA, 20X ZOOM, IR 150M, IP66	33
AHPTZ779A	PTZ AHD-TVI FULL-HD CAMERA, ZOOM 30X, IR 400M	67
AHUTP610C	AHD PASSIVE TRANSCEIVERS KIT FOR UTP CABLE	104
AHUTP611C	AHD PASSIVE TRANSCEIVER FOR UTP CABLE	104

ANPR922M3M	3MP LPR IP CAMERA, 9-22MM ZOOM, IP66	80
BASE1017A	POINT - MULTIPOINT BASE STATION, 17GHZ	98
BASE105A	1RADIO 5GHZ,25KM,SISO 802.11A/N, SING.POL.1	94
BASE105EA	1RADIO 5GHZ,25KM,SISO 802.11A/N, SING.POL.1	94
BASE135A	1RADIO 5GHZ,25KM,MIMO 802.11A/N, DUAL POL.2	94
BASE135EA	1RADIO 5GHZ,25KM,MIMO 802.11A/N, DUAL POL.2	95
BASE155A	1RADIO 5GHZ,25KM,MIMO 802.11A/N, DUAL POL.2	95
BASE155EA	1RADIO 5GHZ,25KM,MIMO 802.11A/N, DUAL POL.2	95
BASE205A	2RADIO 5GHZ,SISO 802.11A/N, SING.POL.2	96
BASE205EA	2RADIO 5GHZ,SISO 802.11A/N, SING.POL.2	96
BASE235A	2RADIO 5GHZ,MIMO 802.11A/N, DUAL.POL.4	96
BASE235EA	2RADIO 5GHZ,MIMO 802.11A/N, DUAL.POL.4	96
BASE305A	3RADIO 5GHZ,SISO 802.11A/N, SING.POL.3	97
BASE305EA	3RADIO 5GHZ,SISO 802.11A/N, SING.POL.3	97
BRK001	SURFACE-MOUNTING ACCESSORY FOR CAMERAS LPRCAM	83
BRK002	SURFACE-MOUNT.+POLE CONNECTION ACC. FOR CAM.LPRCAM	83
CAN001A	ANTENNA CABLE, LENGTH 1M	99
CAN002A	ANTENNA CABLE, LENGTH 2M	99
CAN003A	ANTENNA CABLE, LENGTH 3M	99
CONAL01A	POW.SUPP.CONNECTOR. MALE JACK TERMINAL	104
CONAL02A	POWER SUPPLY CONNECTOR. FEMALE TERMINALS/JACK	104
CPE115A	CPE 5GHZ,3KM,SISO 802/11A/N, SINGLE POL.	90
CPE135A	CPE 5GHZ,3KM,MIMO 802/11A/N, DUAL POL.	90
CPE155A	CPE 5GHZ,3KM,MIMO 802/11A/N/AC, DUAL POL.	90
CPE1917A	POINT-MULTIPOINT CPE, 17 GHZ	98
DHW-01	MINIDOME WALL MOUNTING SUPPORT FOR ART. HCAM633C-634C	69-82
FM22	DOME FIX FLUSH MOUNT SUPPORT	69-82
HJB-04	BULLET HIGH CONNECTION BOX, IP66	69-82
HMON032B	32'' LED MONITOR, VGA, HDMI, BNC, AUDIO, FULL-HD	102
HMON043A	43" LED MONITOR, VGA HDMI BNC AUDIO FULL-HD	102
HMON055B	55'' LED MONITOR, VGA, HDMI, BNC, AUDIO, FULL-HD	102
IPCAM010B	IP BULLET HD CAMERA, 3.6MM, IR 30M, IP66	42
IPCAM020A	FULL-HD BULLET IP CAMERA, 3.6 MM, IR 30M, IP66	42
IPCAM040A	4MP BULLET IP CAMERA, 3.6MM, IR 30M, IP66	42
IPCAM050A	5MP BULLET IP CAMERA, 3.6MM, IR 30M, IP66	42
IPCAM062A	FULL-HD BULLET IP CAMERA, 2.8-12 MM, IR 25M, IP66	43
IPCAM064A	4MP BULLET IP CAMERA, 2.8-12MM, IR 25M, IP66	43
IPCAM065A	5MP BULLET IP CAMERA, 2.8-12MM, IR 25M, IP66	43
IPCAM066B	IP MINIDOME HD CAMERA,3.6MM,IR 30M	44
IPCAM067A	FULL-HD MINIDOME IP CAMERA, 3.6 MM, IR 30M	44
IPCAM068A	HD MINIDOME IP CAMERA, 2.8-12 MM, IR 30M	45
IPCAM069A	FULL-HD MINIDOME IP CAMERA, 2.8-12 MM, IR 30M	45
IPCAM074A	4MP MINIDOME IP CAMERA, 3.6MM, IR 30M	44
IPCAM084A	4MP MINIDOME IP CAMERA, 2.8-12MM, IR 30M	45
IPCAM094A	4MP MINIDOME IP CAMERA, 2.8-12MM,IR 30M	45

IPCAM101D	HD IP BULLET CAMERA, 3.6MM, IR 20M, IP66	51
IPCAM102B	FULL-HD BULLET IP CAMERA, 3.6 MM, IR 15 M, IP66	51
IPCAM152A	FULL-HD BOX IP CAMERA	53
IPCAM161C	HD IP BULLET CAMERA,2.8-12MM,50M IR,IP66	51
IPCAM1622A	FULL-HD IP BULLET CAMERA, 6-22MM, IR 50M, IP66	52
IPCAM162A	FULL-HD BULLET IP CAMERA, 2.8-12MM, IR 50M, IP66	52
IPCAM1638A	IP BULLET CAMERA 3MP, ZOOM 2.8-8MM, SMART IR	53
IPCAM163A	3MP BULLET IP CAMERA, 2.8-12MM, IR 50M, IP66	52
IPCAM165A	5MP BULLET IP CAMERA, 3.6-10MM,IR 50M,IP66	53
IPCAM166D	HD IP MINIDOME CAMERA, 3.6MM, 30M IR, IP65	54
IPCAM167A	FULL-HD MINIDOME IP CAMERA, 3.6 MM, IR 15 M, IP65	54
IPCAM168A	FULL-HD VANDALDOME IP CAMERA, 2.8-12MM, IR 15M, IP65	54
IPCAM169A	FULL-HD VANDALDOME IP CAMERA, 6-22MM, IR15M, IP65	55
IPCAM1838A	IP MINIDOME CAMERA 3MP, ZOOM 2.8-8MM, SMART IR	55
IPCAM183A	3MP VANDALDOME IP CAMERA, 2.8-12MM, IR 30M, IP66	55
IPCAM185A	5 MP MINIDOME IP CAMERA, 3.6-10MM, IR 30M, IP66	55
IPCAM703A	3MP BULLET IP CAMERA, 3.7MM, IR 25M, IP67	74
IPCAM723A	3MP MINIDOME IP CAMERA, 3.7MM, IR 25M, IP66	75
IPCAM742B	BOX FULL-HD IP CAMERA	74
IPCAM753ZA	3MP BULLET IP CAMERA, 2.8-12MM, IR 30M, IP67	74
IPCAM755ZA	5MP IP BULLET CAMERA, 3.6-10MM, IR 40M, IP66	74
IPCAM768ZA	3MP MINIDOME IP CAMERA, 2.8-12MM, IR 35M, IP66	75
IPCAM769ZA	5MP IP MINIDOME CAMERA, 3.6-10MM, IR 30M, IP66	76
IPEOC001A	LAN/COAX AND VICE VERSA CONVERTER	104
IPFE071A	HD FISH-EYE IP CAMERA, 1.44MM, IR 10M	46
IPFE073A	2.4MP FISH-EYE IP CAMERA, 1.19MM, IR 10M	46
IPKYB100A	IP CONTROL KEYBOARD	61
IPNVR004BPOE	NVR W/4 INPUTS, FULL-HD IP POE, 2TB HDD	47
IPNVR006A	NVR 16 INPUTS IP FULL-HD, HDD 2TB	48
IPNVR008BPOE	NVR W/8 INPUTS, FULL-HD IP POE, 2TB HDD	47
IPNVR036A	NVR 36 INPUTS IP FULL-HD, HDD 2TB	48
IPNVR045A	NVR 4 INPUTS 4K H265 IP, HDD 1TB	48
IPNVR065A	NVR 16 INPUTS (8X4K+8X5MP) H265 IP, HDD 1TB	49
IPNVR085B	NVR W/8 4K IP H265 INPUTS, 1TB HDD	49
IPNVR104EPOE	NVR W/4 IP INPUTS, 5MP POE, 1TB HDD	58
IPNVR108DPOE	NVR W/8 IP INPUTS, FULL-HD POE, 1TB HDD	58
IPNVR116D	NVR W/16 IP INPUTS 5MP, 1TB HDD	58
IPNVR125D	NVR 25 IP INPUTS, FULL-HD, 2TB HDD	59
IPNVR136D	NVR W/36 4K IP INPUTS, 2TB HDD	59
IPNVR164D	NVR W/64 4K IP INPUTS, 2TB HDD	59
IPNVR704C	NVR W/4 INPUTS, FULL-HD IP POE, 2TB HDD	78
IPNVR708C	NVR W/8 INPUTS, FULL-HD IP POE, 2TB HDD	78
IPNVR716A	NVR 16 IP POE FULL-HD INPUTS, 2TB HDD	79
IPNVR732A	NVR W/32 INPUTS, FULL-HD IP (16 POE), 2TB HDD	79
IPNVR746C	NVR W/16 INPUTS, FULL-HD IP POE, 2TB HDD	79

IPPT-1004W	CONNECTION BOX FOR MINIDOME ART. IPCAM168A-169A-183A-185A	60
IPPT-1201	POLE-MOUNTING ACCESSORY FOR CAMERA ART. IPPTZ120IRB	61
IPPT-1202	CORNER-MOUNTING ACCESSORY FOR CAMERA ART. IPPTZ120IRB	61
IPPT-604	CEILING MOUNT BRACKET ART. IPPTZ120IRC-130IRA	61
IPPTZ110IRA	CAMERA IP PTZ FULL-HD, ZOOM 10X, IR 80M, IP66	56
IPPTZ120IRD	IP PTZ FULL-HD CAMERA, 20X ZOOM, IR 150M, IP66	56
IPPTZ130IRB	CAMERA IP PTZ 3MP, ZOOM 30X, IR 150M, IP66	56
IPPTZ773B	PTZ MINIDOME FULLHD IP CAMERA, ZOOM 20X, IP66	76
IPPTZ779C	DOME IP PTZ FULL-HD CAMERA, ZOOM 30X, IR400M, IP66	78
IPSWC080A	NETWORK SWITCH, GIGABIT, 8 PORTS	81
IPSWC160A	NETWORK SWITCH, GIGABIT, 16 PORTS	81
IPSWC162A	SWITCH, 16 GIGABIT PORTS, 2 SFP, WEB-MANAGED	81
IPSWP050A	NETWORK SWITCH, GIGABIT, 5 PORTS (4 POE)	81
IPSWP080A	NETWORK SWITCH, GIGABIT, 8 PORTS POE	81
IPSWP160A	NETWORK SWITCH, GIGABIT, 16 PORTS POE	81
IPSWR030A	REPEATER, 3 POE GIGABIT PORTS	81
ISDVR716A	BACKUP ISCSI DEVICE, 16 CHANNELS, 4TB HDD	70
JB-01W	ANALOG AHD MINIDOME SMALL CONNECTION BOX, WHITE COLOR	38-40
JB-02W	ANALOG AHD MINIDOME LARGE CONNECTION BOX, WHITE COLOR	38
JB-04G	START AHD BULLET CONNECTION BOX, GREY	38-39
JB-100BB	CONNECTION BOX FOR IPCAM161B-162A-163A-165A	60
JB-100MB	CONNECTION BOX FOR IPCAM101D-102B-1638A	60
JB-100MD	CONNECTION BOX FOR IPCAM166D-167A	60
JB-100SMD	CONNECTION BOX IPCAM1838A	60
LPRCAM608A	LPR FULL-HD IP CAMERA, 8MM, IR 2M, IP66	80
LPRCAM616A	LPR FULL-HD IP CAMERA, 16MM, IR 2M, IP66	80
LPRCAM655A	LPR FULL-HD IP CAMERA, 5-55MM, IR 10M, IP66	80
MBRK631C	WALL-MOUNTING ACCESSORY FOR CAMERA AHCAM631A AND AHCAM633A	38
MMON185A	18.5" LED MONITOR, VGA, BNC, HDMI, AUDIO, HD	101
MMON215A	21.5" LED MONITOR, VGA, HDMI, AUDIO, FULL-HD	101
OMNI360A	360° OMNIDIRECTIONAL ANTENNA, VERTICAL POL., 5GHZ	99
PAND010A	10° DIR. PANEL ANTENNA, DUAL POL., 5GHZ	99
PANS010A	10° DIR. PANEL ANTENNA, SINGLE POL., 5GHZ	99
PARD060A	6° PARABOLIC ANTENNA, DUAL POL., 5GHZ	99
PARS060A	6° PARABOLIC ANTENNA, SINGLE POL., 5GHZ	99
PTP1217A	POINT - POINT POINT-MULTIPOINT, 17 GHZ	98
PTP1217EA	POINT - POINT POINT-MULTIPOINT, 17 GHZ	98
PTP125A	TRANSMITTER 5GHZ,8KM,SISO 802.11A/N, SINGLE POL.	91
PTP135A	TRANSMITTER 5GHZ,8KM,MIMO 802.11A/N, DUAL POL.	91
PTP155A	TRANSMITTER 5GHZ,8KM,MIMO 802.11A/N, DUAL POL.	91
RPT125A	BRIDGE REPEATER, 8KM, SISO 802.11A/N	92
SAN001A	SPARK GAP	99
SCON752B	ACTIVE CONVERTER FROM RS232 TO RS485	104
SDSK324A	SATA HARD DISK, CAPACITY OF 1 TB, FOR DVR/NVR START SERIES	100
SDSK325A	SATA HARD DISK, CAPACITY OF 2 TB, FOR DVR/NVR START SERIES	100

SET090A	90° SECTOR ANTENNA, VERTICAL POL., 5GHZ	99
SET120A	120° SECTOR ANTENNA, VERTICAL POL., 5GHZ	99
SETM090A	90° MIMO SECTOR ANTENNA, DUAL POL., 5GHZ	99
SETM120A	120° MIMO SECTOR ANTENNA, DUAL POL., 5GHZ	99
SKYB001A	RS485 PELCO PROTOC. CONTROL KEYBOARD FOR PTZ CAMERAS	38
SMON156A	15.6" LED MONITOR, VGA, AUDIO, HD	101
SMON185B	18.5" LED MONITOR, VGA, AUDIO, HD	101
SVGA671B	ACTIVE CONVERTER FOR VIDEO SIGNAL FROM BNC TO VGA	104
SVGA672C	ACTIVE CONVERTER FROM VGA VIDEO SIGNAL TO COMPOSITE	104
VIDEOTEST	LCD TESTER FOR ANALOGUE AND AHD VIDEO, RS485	105
WDSK325A	HARD DISK WITH 2 TB CAPACITY FOR DVR/NVR	100
WDSK327A	HARD DISK WITH 4 TB CAPACITY FOR DVR/NVR	100
WICAM101A	BULLET HD IP CAMERA, 3.6MM, WIRELESS	57
WICAM161A	BULLET HD IP CAMERA, 2.8-12MM, WIRELESS	57
WICAM166A	MINIDOME HD IP CAMERA, 3.6MM, WIRELESS	57
WICAM191A	CUBE FULL-HD IP CAMERA, 3.6MM, WIRELESS	57
WIKIT040A	WI-FI KIT, WINVR040A, 4 WICAM010A, HDD 1TB	50

Comelit Group Spa

Via Don Arrigoni 5
24020 Rovetta S. Lorenzo
Bergamo [Italy]
Tel. +39 (0) 346 750011
Fax +39 (0) 34671436
www.comelitgroup.com

Comelit®
Passion.Technology.Design.