



Dual Sensor IP PTZ, One channel Optical Camera, One channel Thermal Camera

Model No.	SOAR800-TH3235	SOAR800-TH6435
Thermal imaging camera		
Detector	Uncooled amorphous silicon FPA	
Array format/pixel pitch	384x288/17μm	640x480/17μm
Sensitivity	≤60mk@300K	
Image Frame Rate	50 HZ(PAL)/60HZ(NTSC)	
Spectral range	8-14μm	
Image processing		
Nonuniformity calibration	No shutting technology	
Instantaneous boot	<4S	
Noise reduction	Digital filter	
Image definition	768x576	
Lens	75 mm	
FOV	9.3°x 7°	15.5°x11.6°
Detecting Range	Man: 2200m	
	Vehicle: 10000m	
Recognition Range	Man: 550m	
	Vehicle: 2500m	
Thermal imaging adjust		
Pseudo color	9 Pseudo Color palettes changeable	
Polarity	White Hot/black hot	
Mirror image	Horizontal/vertical	
Manual gain	Cycle adjustment	
Auto gain	Auto adjustment	
Day Camera (IPC)		
Camera		
Image Sensor	1/1.9" Progressive Scan CMOS	
Effective Pixels	1920(H) x 1080(V), 2 Megapixels	
Scanning System	Progressive	
Minimum Illumination	Color: 0.01Lux@F1.5; 0.001Lux@F1.5 (IR on)	
Lens		
Focal Length	Focal Length 6mm~210mm	
Zoom	Optical Zoom 35x	
View Angle	61°(Wide) - 2°(Tele)	
White Balance	Auto	
Focus	Auto/Manual	
Exposure	Auto/Manual	
S/N Ratio	Not less than 52 dB	
BLC	On/Off	
WDR	On/Off	
Day / Night	Auto/Manual	
Pan & Tilt		
Pan Range	360° (endless)	
Pan Speed	0.5°/s ~ 80°/s	
Tilt Range	-90°~50°	

Tilt Speed	0.1° ~ 9°/s
Number of Presets	255
Patrol	6 patrols, up to 18 presets per patrol
Pattern	4 , with the total recording time not less than 10 mins
General	
Power	AC24V; Power consumption: ≤72w;
COM/Protocol	RS 485/ PELCO-D/P
Video Output	2 channel Network video, via RJ 45
Working temperature	-30℃~60℃
Humidity	90% or less
Protection level	IP66. TVS 4000V Lightning protection, surge protection, voltage transient protection
wight	10.5kg
Mount option	Mast mounting