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# AI Camera One-Stop Solution

Model: W431		Product Features
		◆ Easy to install and use
		◆ Clear and smooth video browsing; intelligent transmission giving full play to capabilities of the network
		◆ Online firmware upgrade, and synchronous updating of the functions and experience
		◆ Two-way voice intercom supported; echo eliminated; noise suppressed
		◆ Compatible with Android; remote real-time monitoring supported with the IOS intelligent terminal
		◆ 4-megapixel startlight high resolution (2560X1440) for clear picture quality
		◆ Dual-source lighting for night vision (night vision distance = 7 m) comprising infrared lamp / white-light source; color images available for night vision.
		◆ The built-in rechargeable lithium battery with long battery life functions for up to 6 months under normal circumstances and can stand by for 12 months
		◆ 2.4G Wi-Fi supported (IEEE802.11b/g/n)
		◆ Cloud storage, Micro SD card (up to 128GB) and mobile phone video recording supported
◆ QR code intelligent connection and network allocation supported		
◆ Supporting human contour detection, activity zone, vehicle detection, pet snapshot and package inspection (value added service required)		
◆ IP65 Easy installation; support 1/4 universal screw bracket and magnetic suction bracket		
W431 Items		Specifications
Master Processor	SOC	ARM
Image Sensor	Sensor	1/3" color CMOS Sensor
	Lens	M12, f: 2.97mm, F1.6, 4-megapixel
	Visual angle	H (horizontal) 105 degrees; V (vertical) 58.3 degrees; D (diagonal) 123.6 degrees
Audio	Minimum Illumination	0.01 Lux
	Input/Output	Two-way voice intercom available (built-in Microphone and speaker)
Video	Audio Compressing Method	AAC
	Video Compressing Method	H.265
	Lighting Frequency	50Hz, 60Hz
	Image Frame Rate	15 fps
Network	Maximum Image Resolution	2560*1440P
	Light Source for Night Vision	Mid-power infrared lamp (850nm in wavelength) / dual-source white-light source with an irradiation distance of 7m
	Wireless Network	2.4G Wi-Fi (IEEE802.11b/g/n), built-in antenna
AI	Protocols Supported	TCP/IP, UDP/IP, DHCP, RTMP, MUDP
	IP Address Supported	Dynamic IP address supported
Alarm Notification	Intelligent Features	Human contour detection, activity zone, vehicle detection, pet snapshot and package inspection
Wake-up	Alarm Methods	Alarm push by mobile APP, white light flashing and alarm sound
Video Recording	Wake-up Method	PIR body induction wake-up, and remote wake-up
	Recording Method	Alarm triggered recording, and manual recording
Indicator Lamps	Video Storage	Cloud storage, local Micro SD card, and mobile phone memory
	LED Indicator	RGB tri-color lamp indicating the status of power/network signal/functionality
Battery	Capacity	5200mAh/6700mAh(Optional)
	Removability	Unremovable
	Battery Life	6 months (provided that 20 10s videos are recorded per day)
	Standby Time	1 year
	Charging Voltage	DV 5V+-5%/1.5A
	Charge Time	Within 10 hours
	Protection Method	IP65 is dustproof and waterproof; over-current/over-discharge/over-charge/short circuit/charging protection at high & low temperatures
Power Consumption	Standby Power Consumption	1.93mW(4V 0.48mA)
	Power Consumption of Daytime Operation	1.11W(3.87V 288mA)
	Power Consumption of Operation at Night	2.02W(3.73V 542mA)
Interfaces	Power Supply	1 Micro USB interface
	SD Card	1 Micro SD card (up to 128GB supported)
	Keys	1 reboot key and 1 on/off key
Installation Method	Installation Method	Magnet and 1/4 universal screw holes
Environment	Dustproof and waterproof	IP65
	Operating Environment	-10° ~ 45°C /10% ~ 80% (no condensation)
	Storage Environment	-20°C ~ 60° /0% ~ 90% (no condensation)
Specifications	Size (LxWxH)	84mm *62mm *96mm(without bracket)
	Material + Process	ABS+PC
Certifications	Color	White with high gloss
	Certificate	CE, FCC, RoHS, WEEE, MSDS, UN38.3, UL62368