Outdoor PTZ camera

Equipped with a high-performance 8-megapixel 1/2.7-inch CMOS sensor

Auto track human

Supports two-way voice communication

The maximum infrared monitoring distance is 30 meters

Supports multiple AI detection methods, including mobile, human, vehicle, and area detection.

Effective pickup range: 5 meters

Supports H.265/H.265+ encoding, storage reduction, and ultra-low bitrate

IP66 dust and water resistance design with high reliability

on-product information	product model	C290
	product SKU	1PC-2908W-US
	Hardware version number	HW.V1.HH613.8
camera	pixel	8MP（3840×2160）
	Maximum image size	3840×2160
	Aspect Ratio	16：9
	frame rate	20fps
	Computing power	1TOPS（INT8） 1 TOPS = 10^{12} TOPS (3 trillion integer operations per second)
	Digital noise reduction	3D Digital Noise Reduction
	Backlight Compensation	support
	Wide Dynamic	/
	Strong light suppression	support
	Switch thresholds day and night	Soft light sensitivity: <2Lux for day-to-night switch;> 4Lux for night-to-day switch
	Day-Night Mode	ICR Infrared Filter Type
picture	Image sensor	1/2.7" Progressive Scan CMOS

	type	
	Image sensor technology	BSI
	resolution ratio	HD 3840×2160 Standard 640×360
	Stream type	Code Stream
	Image Settings	Supports HD/SD; supports watermarks; brightness/chromaticity/saturation/contrast (NVR adjustment)
Audio and video compression	Video compression standard	H.265(Main Profile)/H.264
	code check	HD: 5Mbps Standard definition: 512Kbps
	Bit rate type	Code rate
	Audio sampling rate	8kHz
	Audio bitrate	128kbps
	Audio compression standard	G.711A
camera lens	Camera interface type	M12
	Lens focal length	4.0mm
	Focal length type	fixed focal length
	Aperture type	Fixed aperture
	lens aperture	F1.6
	Depth of Field	4 mm: 1.2 m~∞
	angle of field	Horizontal Field of View (H-FOV): 87.2° Vertical Field of View (V-FOV): 46.8° Diagonal Field of View (D-FOV): 104°
	Monitoring distance	The maximum distance is 8 meters. The maximum monitoring distance is 15 meters.
	Monitoring area	Maximum monitoring range (height =2.5 m) 60 m² Maximum

	(㎡)	monitoring range (height =3.5 m) 160 m²
fill-in light	Night vision type	Black and White Night Vision
	lamp panel	3 infrared lights
	Night vision lighting	Infrared lighting
	Infrared wavelength	850nm (visible light)
	Infrared night vision range	30 meters
Cloud Terrace	Rotate View	360°
	Rotate View	140°
	reduction gear ratio	1/64
	step angle	5.625°/64
	output torque	≥800gf.cm
AI algorithm	Mobile detection	support
	Human detection	support
	Vehicle detection	support
	Face detection	support
	Area detection	Supports (area intrusion/area exit/absence detection/entry/exit detection/loitering detection)
	Visitor statistics	support
	Human tracking	support
Camera features	Alarm alert	Smart audio alarm (built-in buzzer) and APP message notification
	Privacy blocking	Supports customizing 5 regions
	Custom alarm voice	support
	Two-way voice	support
network settings	Distribution method	Wired connection
	Supported protocols	TCP/IP,HTTP,DHCP,DNS，MQTT，P2P，RTSP ，Onvif
	firmware	/

	upgrade	
Video recording	local-storage	NVR memory
	Local Mode	Full-time video/alarm recording
	Local storage resolution	Main stream
	Local storage format	Video stream file (in NVR)
	Cloud storage	/
Interface/Buttons	Wired network port	Supports RJ45 10M/100M adaptive Ethernet port
	memory interface	not have
	Audio input	Built-in high-sensitivity microphone
	Audio output	Built-in speaker
	key	reset key
General Guidelines	Product material	Aluminum front shell, bracket (ABS plastic)
	classification of waterproof	IP66, waterproof and dustproof
	Operating temperature and humidity	-10℃ to 55℃, humidity less than 95% (no condensation)
	power suppl	POE IEEE 802.3af 48V DC12V
	Power interface	Type Ø 5.5 mm round mouth
	size （mm）	Φ127.2mm High: 116.4mm
	weight （g）	468g (bare machine)
	way to install	Wall-mounted or ceiling-mounted accessories (with screws)
	Support client	App：Zosi Smart、Vsees、loocam PC end ： AVSS (For example, remote viewing, alarm push, and multi-device management)
	security certificate	FCC，CE
	Package Accessories List	Camera host, network cable, screw pack, and instruction manual
	usage scenario	Home Indoor/Outdoor/Shops