

- High performance 8 megapixel 1/2.7 inch high resolution CMOS sensor
- Unique high sensitivity, low noise point technology, with excellent image recognition and detection capabilities, as well as excellent low light performance, can capture clear images in dark environment.
- Support H.265/H.265+ encoding, half the storage, ultra-low code stream
- Supports 3D digital noise reduction and wide dynamic range
- The far infrared monitoring distance is 30 meters
- Effective pickup range of 5 meters
- Meet IP66 dust and water resistance design, high reliability
- H.265+/H.265, flexible encoding, suitable for different bandwidth and storage

environment

on-product information	product model	C220
	product SKU	1PC-2208W-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 <sup>12</sup> TOPS (1 trillion integer operations per second)
	Digital noise reduction	3D digital noise reduction
	Backlight compensation	support
	Wide Dynamic	/
	Strong light suppression	support
	Switch thresholds day	Soft photosensitivity: <2Lux; off at night and on at day> 4Lux

	and night	
	Day and night mode	ICR infrared filter type
picture	Image sensor type	1/2.7" Progressive Scan CMOS
	Image sensor technology	BSI
	resolution ratio	HD 3840 x 2160 Standard resolution 640 x 360
	Code stream type	Variable bit stream
	Image Settings	Supports HD/Standard definition; supports watermark; brightness/chroma/saturation/contrast (NVR adjustment)
Audio and video compression	Video compression standard	H.265(Main Profile)/H.264
	code check	HD: 5Mbps Standard definition: 512Kbps
	Code rate type	Variable bit rate
	Audio sampling rate	8Khz
	Audio bit rate	128kbps
	Audio compression standard	G.711A
camera lens	Lens interface type	M12
	Lens focal length	4.0mm
	Focal length type	fixed focal length
	Aperture type	Fixed aperture
	lens aperture	F1.6
	angle of field	Horizontal visual acuity (H-FOV): 87.2°  Vertical view (V-FOV): 46.8°  Diopside (D-FOV): 104°
	Monitoring distance	The best distance is 8 meters and the maximum monitoring distance is 15 meters
	Monitoring area (m²)	Best monitoring range (height =2.5m) 60 m²  maximum monitoring range (height =3.5m) 160 m²
fill-in light	Night vision type	Black and white night view

	lamp panel	Two infrared lights
	Night vision fill light	Infrared backlighting
	Infrared wavelength	850nm (visible light)
	Infrared night vision distance	30 meters
AI algorithm	Mobile detection	support
	Humanoid detection	support
	Vehicle shape detection	support
	Face detection	support
	Regional testing	Support (area intrusion/area exit/unmanned detection/travel detection/patrol detection)
	passenger flow statistics	support
Camera features	Alarm linkage	APP message reminding
	Privacy is obscured	Supports customization of 5 areas
	sound recording	support
network settings	Distribution mode	Wired connections
	Support agreements	IPv4; TCP; UDP; RTSP; RTP; DHCP; NTP; onvif
	firmware upgrade	Local upgrades are only supported
Video recording	local-storage	NVR lay in
	Local mode	Full-time video/alarm video
	Local storage resolution	The master code stream
	Local storage format	Video stream (NVR local storage)
	Cloud storage	/
Interface/key	Wireless network port	Supports RJ45 10M/100M adaptive Ethernet port
	memory interface	/
	Audio input	Built-in high sensitivity microphone
	Audio output	Built-in speaker
	key	/
General	Product material	Spherical body (aluminum metal) plastic (ABS)

norms		housing
	classification of waterproof	IP66, waterproof and dustproof
	Working temperature and humidity	-10°C~55°C, 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)	φ97*103mm
	weight (g)	340g (bare machine)
	way to install	Wall mount/hang (accessories including screws)
	Support client	App: Zosi Smart  PC end : AVSS (Remote viewing, alarm push, multi-device management)
	security certificate	FCC、CE、TELEC、IC
	List of package components	Camera host, network cable, screw pack, instruction manual
	usage scenario	Home indoor/outdoor/shops