

KX-DWai2308ZPN

2MP 32x Starlight IR Network PTZ Camera

Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.



- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 32x optical zoom
- Max. 50/60 fps@1080P
- IR distance up to 150 m
- Deep-learning-based auto tracking and perimeter protection
- SMD PLUS
- PoE+
- IP67, IK10
- Face Detection



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Camera				
Image Sensor	1/2.8" STARVIS™ CMOS			
Pixel	2MP			
Max. Resolution	1920 (H) x 1080 (V)			
ROM	4 GB			
RAM	1 GB			
Electronic Shutter Speed	1/1 s–1/30000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.005 Lux@F1.35 B/W: 0.0005 Lux@F1.35 0 Lux (IR on)			
Illumination Distance	150 m (492.13 ft)			
Illuminator On/Off Control	Zoom Prio/Manual/SmartIR			
Illuminator Number	4			
Lens				
Focal Length	4.9 mm–156 mm			
Max. Aperture	F1.35–F4.4			
Field of View	H: 62.8°–2.2°; V: 36.7°–1.3°; D: 69.2°–2.6°			
Optical Zoom	32x			
Focus Control	Auto/Semi-Auto/Manual			
Close Focus Distance	1 m–1.5 m (3.28 ft–4.92 ft)			
Iris Control	Auto/Manual/Fixed			
DORI Distance	Detect	Observe	Recognize	Identify
	2152 m (7060.37 ft)	850 m (2788.71 ft)	430 m (1410.76 ft)	215 m (705.38 ft)
PTZ				
Pan/Tilt Range	Pan: 0°–360° endless Tilt: –15° to +90°, auto flip 180			
Manual Control Speed	Pan: 0.1°/s–300°/s Tilt: 0.1°/s–200°/s			

Preset Speed	Pan: 400°/s Tilt: 300°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Support
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SIP Pelco-P/D (auto recognition)
Artificial Intelligence	
Smart Capture	Support human, motor vehicle and non-motor vehicle image capture.
Perimeter Protection	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.
Face Detection	Support
Auto Tracking	Support
SMD PLUS	Support
Video	
Compression	H.265; H.264B; H.264M; H.264H; MJPEG (Sub Stream); H.265+; H.264+
Streaming Capability	3 streams
Resolution	1080P (1920 × 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576); CIF (352 × 288)
Frame Rate	Main stream: 1080P/1.3M/720P (1–50/60 fps) Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 720P (1–25/30 fps)
Bit Rate Control	Variable/Constant
Bit Rate	H.264: 3 Kbps–20480 Kbps H.265: 3 Kbps–20480 Kbps

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Day/Night	Auto (ICR)/Color/B/W
BLC	Support
WDR	120 dB
HLC	Support
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural light/Street lamp
Gain Control	Auto/Manual
Noise Reduction	2D/3D
Motion Detection	Support
Region of Interest (RoI)	Support
Image Stabilization	Electronic
Defog	Electronic
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
S/N Ratio	≥ 55 dB
Audio	
Compression	G.711a; G.711Mu; G.726; AAC; MPEG2 -Layer2; G722.1; G729; G723
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3 (MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
Interoperability	ONVIF Profile S&G&T; CGI
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth 64M)
Storage	FTP; Micro SD card (256G); NAS
Browser	IE7 and later versions Chrome 42 and earlier versions Firefox 52 and earlier versions Safari
Management Software	KBiVMS, KBView, KBView Plus
Mobile Phone	IOS, Android

Port	
Alarm I/O	2/1
Two-way Audio	Support
Alarm I/O	2/1
Power	
Power Supply	AC 24V/3A ± 25% (standard) PoE+ (802.3at)
Power Consumption	Basic: 12W Max: 20W
Environment	
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤ 95%
Protection	IP67; IK10; 6000V lightning proof; surge protection; voltage transient protection
Structure	
Dimensions	Φ190 mm × 332 mm (Φ7.48" × 13.07")
Net Weight	4.7 kg (10.36 lb)
Gross Weight	8 kg (17.64 lb)
Dimensions (mm[inch])	

