

5MP AI Fisheye IP PoE Camera IP66 1.4mm Lens 360° - IK10 Vandal Resistant with Two-Way Audio

50MM-CD012



The CD012 fisheye camera delivers crystal-clear 5MP resolution with a 360° fisheye view, making it ideal for wide-area monitoring. Featuring true 120dB WDR, smart IR up to 10m, and built-in dual microphones, it ensures sharp video and audio in any condition. With PoE support, IK10 vandal resistance, IP66 weather protection, and edge storage of up to 256GB, this dome camera is built to withstand tough conditions for reliable, all-round surveillance.

Features and Benefits

- » Featuring a 1.4mm lens with a full 360° angle of view, covers an entire room or wide area with a single camera, reducing blind spots and installation costs
- » 1/2.8" CMOS sensor with 5MP resolution at 30fps delivers sharp, detailed video for precise monitoring and evidence capture.
- » True 120dB WDR, smart IR up to 10m, and 0 Lux with IR provides clear visibility in both bright, backlit, and dark environments.
- » IK10 vandal resistance and IP66 weatherproof housing built to withstand tampering and harsh outdoor conditions for long-term reliability.
- » Dual built-in microphones, 2-way audio, and 1-in/1-out alarm I/O enhance situational awareness with sound detection, live communication, and triggered alerts.
- » Supports PoE power supply and MicroSD edge storage up to 256GB, simplifies installation and ensures local recording even if the network goes down



Note: Full image control and display including image splitting is only available in latest "Q" series hardware NVRs. Other model NVRs will only display full 360° image.

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Camera					
Image sensor	1/2.8", progressive scan, 5.0 megapixel, CMOS				
Lens	1.4mm@F2.0				
DORI Distance	Lens	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	1.4mm	31.5	12.6	6.3	3.2
Angle of View	360°				
Shutter	Auto/Manual, shutter time: 1-1/100000 s				
Minimum Illumination	Colour: 0.01 Lux (F2.0, AGC ON) 0 Lux with IR				
Day/Night	IR-cut filter for day & night function				
S/N	>55dB				
IR Range	UP to 10m (33ft)				
wavelength	850nm				
IR On/Off Control	Auto/Manual				
Defog	Digital Defog				
WDR	120dB				
Video					
Compression	Ultra 265, H.265, H.264, MJPEG				
H.264 code profile	Baseline profile, Main Profile, High Profile				
Frame Rate	Main Stream: 5MP (2592*1944): Max.30fps; Sub Stream: 1080P (1920*1080): Max.30fps; 720P (1280*720), Max 30fps; Third Stream: D1 (720*576), Max 30fps; 640*360, Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;				
Video Bit Rate	128 Kbps-16 Mbps				
OSD	Up to 8 OSDs				
ROI	Up to 8 areas				
Privacy Mask	Up to 4 areas				
Motion Detection	Up to 4 areas				
Image					
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2				
Digital noise reduction	2D/3D DNR				
Smart IR	Support				
Flip	Normal/Flip Vertical/ Flip Horizontal/180°				
Dewarping	N/A				
HLC	N/A				
BLC	Support				
Audio					
Audio Compression	G.711				
Two-way audio	Supported				
Suppression	Supported				
Sampling Rate	8 KHZ				
Storage					
Edge Storage	Micro SD, up to 256GB				
Network Storage	ANR, NAS(NFS)				
Network					
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS				

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Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Client	EZStation EZView EZLive
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+
Live View Display	
Mount Type	Support table, wall, and ceiling
Decoding Mode	Support software decoding
Display Mode	11 display modes in total Software decoding: Ceiling mount: fisheye view, 360°Panoramic+1PTZ, 180°Panoramic, Fisheye+3PTZ, Fisheye+4PTZ, 360°Panoramic+6PTZ, Fisheye+8PTZ Wall mount: fisheye view, Panoramic, Panoramic+3PTZ, Panoramic+4PTZ, Panoramic+8PTZ Table mount: fisheye view, 360°Panoramic+1PTZ, 180°Panoramic, Fisheye+3PTZ, Fisheye+4PTZ, 360°Panoramic+6PTZ, Fisheye+8PTZ
Interface	
Audio I/O	Input: impedance 35 k Ω ; amplitude 2 V [p-p] Output: impedance 600 Ω ; amplitude 2 V [p-p]
Alarm I/O	1/1
Built-in Mic	Supported 2
Network	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet
Certifications	
Certifications	CE: EN 60950-1 UL: UL60950-1 FCC: FCC Part 15
General	
Power	DC12V325%, PoE (IEEE 802.3af)
Power Consumption	Max. 8.5W
Dimensions (\times H)	Φ 125 \times 44 mm (Φ 4.9" \times 1.7")
Net Weight	0.36kg (0.79lb)
Material	Metal + Plastic
Working Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: \leq 95% RH (non-condensing)
Storage Environment	-30°C ~ 60°C (-22°F ~ 140°F), Humidity: \leq 95% RH (non-condensing)
Surge Protection	4KV
Ingress Protection	IP66
Vandal Resistant	IK10
Reset Button	Supported