

8MP Ultra HD AI Turret IP PoE Camera IP67 2.8mm Fixed Lens with Dual-Light Night Vision

50MM-CD015



The CD015 is an advanced 8MP Ultra HD AI PoE Turret Camera delivering crystal-clear surveillance for homes and businesses. Featuring smart AI detection for faces, humans, and vehicles, plus perimeter protection and line crossing alerts. With 20–30m IR and warm light night vision, it actively deters intruders. Its IP67 weatherproof housing, ONVIF compatibility, and easy remote access make it a reliable, professional-grade security solution.

Features and Benefits

- » 24/7 Colour & Night Vision from dual IR and warm light LEDs providing 20–30m coverage, capturing detail-rich images day or night in full colour.
- » Built-in microphone enhances situational awareness. Supporting AAC Audio codec.
- » Supports face detection, human and vehicle detection, line crossing, area entry/leaving detection, and area intrusion detection
- » 1/2.7" CMOS sensor with 8MP resolution at 20fps delivers sharp, detailed video for precise monitoring and evidence capture.
- » Rugged and weatherproof design with IP67 rated waterproof and dustproof housing, ensuring reliable operation in harsh outdoor environments.
- » Supports PoE power supply plus local 12V DC injection for simplified installation (< 8W power consumption)



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Matchmaster
For the Best

Camera	
Image Sensor	1/2.7" 8MP GC8613 CMOS
SoC Chip	Sigmastar SSC378DE
Effective Pixels	3840(H) × 2160(V)
Exposure Shutter	AUTO/Manual: 1/10s ~ 1/8000s, Max Shutter speed adjustable
Day/Night	Auto (Active/Passive/Schedule) / Day/Night, switch threshold, sensitivity, anti-flicker (Auto/50Hz/60Hz)
Image Adjust	Brightness, Saturation, Sharpness, Contrast, Denoise (0-100%) adjustable
White Balance	AWB/MWB
WDR	D-WDR
Light Mode	Smart (dual-light) / Infrared / White Light, adjustable
Light Control	Auto/Manual, Brightness level (0-100%) adjustable
DNR	2D/3D DNR
Encode	
Video Standard	H.264/H.265
Video Resolution	Main Stream: 20fps@8MP (3840×2160), 30fps@6MP (3072×2048), 30fps@5MP (2592×1944), 30fps@4MP (2560×1440), 30fps@3MP (2304×1296), 1080P, 720P Sub Stream: 10fps@720P, 30fps@D1 (704×576) (default), 30fps@(720×480), VGA (640×480), QVGA (640×360)
Video Bitrates	Main Stream: 64kbps-8Mbps Sub Stream: 64kbps-2048kbps VBR/CBR, Quality (1-9), GOP (1-128)
Image Snapshot	Sub Stream (SD) snapshot
Image Rotation	0 / 90 / 180 / 270 degree adjustable
Border Crop	X crop, Y crop
Image Mirror	Horizontal / Vertical / Horizontal & Vertical adjustable
OSD Overlay	Font size (1-4), Position, Time, Title, AM/PM, Color, User OSD, Alarm OSD
Privacy Mask	4 areas
Region of Interest	ROI: Each stream supports 8 areas
Audio Standard	G.711-u / G.711-a / AAC / PCM, AEC
Built-in Mic	Yes

Led	
Light	2pcs IR & Warm Dual Lights
Light Distance	20-30M
Lens	
Focal Length	F1.6 2.8mm Fixed Lens
Language	English, Japanese, Korean, German, Polish, Italian, Turkish, Ukraine, Russian, etc.
Smart Detection	
Motion Detection	Yes
Digital I/O Alarm	1 pair Alarm-in/Alarm-out, normally open/normally close (optional)
Human Vehicle Detection	Yes (2-20 meters)
Cross Line Detection	Yes, 4 lines
Perimeter Protection	Yes, 4 areas
Face Detection	Yes (1-5 meters)
Target Detection Type	Human Shape, Vehicle, Non-motor Vehicle, Pet, Face (12px-1000px)
Trigger Action Linkage	Snapshot, Record, Relay (optional), White LED Flash, Email, FTP, NAS Storage (NFS)
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule/Trigger: Email, FTP, NAS (NFS)
Storage Type	Schedule/Trigger: Email, FTP, NAS
Network Services	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/DST/RTP/RTMP/P2P/Hik/IPv4/IPv6/NFS/DDNS
IP Address Filtering	Yes (Allow list, Deny list)
P2P Mobile App	Android, iOS
Web Access	IE, Firefox, Chrome, Edge, Safari, etc. (Windows/Linux/Mac/Chromebook/Tablet/Mobile phone)
PC Tool	Windows, Mac
ONVIF	23.12 compatible (Profile S, G, T, M)
General	
Network Port	1 × RJ45, 100Mbps, PoE (IEEE 802.3af)
Power Supply	12 VDC ±10%
Power Consumption	< 8W
Operating Temperature	-20°C ~ +60°C, 10%-90% RH