

8MP AI Turret IP PoE Camera IP67 2.8mm Lens with Dual-Light + Red and Blue Deterrent Lights with Two-Way Audio

50MM-CD010



The CD010 is an advanced 8MP AI PoE Turret Camera delivering crystal-clear 4K surveillance for homes and businesses. Equipped with Sony CMOS imaging, it features smart AI detection for faces, humans, and vehicles, as well as perimeter protection and line crossing alerts. With 20-30m IR and warm light night vision, red/blue flashing lights, and two-way audio, 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 and night vision from dual IR and warm light LEDs, providing 20-30m coverage and capturing detail-rich images day or night in full colour.
- » Built-in microphone, 2-way audio, and red and blue flashlights enhance situational awareness with sound detection, live communication, and triggered alerts.
- » Supports face detection, human and vehicle detection, line crossing, area entry/leaving detection and area intrusion detection
- » 1/2.8" 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 and MicroSD edge storage up to 256GB, simplifies installation and ensures local recording even if the network goes down



8MP AI Turret IP PoE Camera IP67 2.8mm Lens with Dual-Light + Red and Blue Deterrent Lights with Two-Way Audio

50MM-CD010



Camera	
Image Sensor	1/2.8" 8MP Sony IMX415 CMOS
Soc Chip	Sigmastar SSC378DE
Effective Pixels	3840(H)x2160 (V)
Exposure Shutter	AUTO/Manual: 1/10s ~ 1/8000s, Max Shutter speed adjustable
Day/Night	Auto/Active/passive/schedule/Day/Night, switch threshold, sensitivity
Image Adjust	Brightness, Saturation, Sharpness, Contrast, Denoise (0-100%) adjustable
White Balance	AWB/MWB
WDR	Yes
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/MJPEG
Video Resolution	Main Stream: 20fps@8MP(3840x2160)(default),30fps@6MP(3072x2048)/5MP(2592x1944)/4MP(2560x1440)/3MP(2304x1296)/1080P/720P Sub Stream: 10fps@720P,30fps@D1(704x576)(default)/(720x480)/VGA(640x480)/QVGA(640x360)
Video Bitrates	Main stream: 64kbps-8Mbps Sub stream: 64kbps-2048kbps VBR/CBR , quality(1-9), GOP(1-128)
Image Rotation	0 / 90 / 180 / 270 degree adjustable
Border Crop	X crop, Y crop
Image Mirror	horizon / vertical / horizon&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 support 8 areas
Audio Standard	G.711-u/G.711-a/AAC/PCM, AEC
Built-in Mic	Yes
Built-in Speaker	Yes
Led	
Light	2PCS red and blue flashlight alarm Light(1 red & 1 blue)+2PCS IR & Warm Light LEDs

Light Distance	20-30M
Lens	
Focal length	F1.6 2.8 mm Fixed Lens
Language	English, Japanese, Korean, German, Polish, Italian, Turkish, Ukraine, Russian, etc.
Smart Detection	
Motion Detection	Yes
Digital IO Alarm	1 pair Alarm-in/Alarm-out, normally open/normally close
Human Vehicle Detection	support
Cross Line Detection	support
Perimeter protection	support
Face Detection	support
Target Detection Type	Human Shape, vehicle, non-motor vehicle, Pet, Face(32px~800px)
Trigger Action Linkage	Snapshot, Record, White LED Flash, Voice siren, Micro-SD, Email, FTP, NAS storage (NFS)
Simultaneous Detection	Maximum 16 targets simultaneous detection
Storage Type	Schedule/Trigger: Micro-SD(512G), Email, FTP, NAS (NFS)
Reset Button	Yes
Network Services	
Protocol	HTTP(s)/RTSP/FTP/SMTP/DHCP/NTP/DST/RTP/RTMP/P2P/Hik/IPV4/IPV6/NFS/DDNS
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(IEEE802.3af)
Power Supply	12 VDC 3 10%
Power Consumption	< 8 W
Operating Temp.	-20°C~(+60)°C, 10%-90%RH