8MP 180° AI Bullet IP PoE Camera IP67 Dual 2.8mm Lens with Dual-Light and Two-Way Audio

50MM-CB007

Matchmaster
For the Best

The CB007 is an 8MP AI PoE bullet camera featuring a dual-lens design, providing crystal-clear 4K ultra-wide 180° coverage. Featuring smart AI detection for faces, humans, and vehicles, as well as line crossing and perimeter protection, it ensures accurate alerts with fewer false alarms. With 25–30m IR and warm light night vision, it captures vivid full-colour images around the clock. Built-in two-way audio, audio alarm, and warm lights help deter intruders. Its IP67 weatherproof housing, PoE connectivity, and ONVIF compatibility make it an ideal solution for reliable home or business security.

Features and Benefits

» Ultra-wide 180° 8MP coverage, dual-lens design delivers 4K clarity across a full 180° field of view, reducing blind spots and maximising surveillance coverage.

» Advanced AI detection, supports face, human, and vehicle recognition, along with line crossing and perimeter alerts, ensuring accurate detection with fewer false alarms.

» Day and night colour imaging, 25–30m IR and warm light LEDs provide sharp detail and full-colour images, even in complete darkness.

» Built-in deterrence, equipped with two-way audio, flashing lights, and audio alarms, allowing you to actively warn off intruders in real time.

» Rugged outdoor performance, IP67 weatherproof and lightning-protected housing ensures reliability in harsh conditions for round-the-clock security.

» Supports PoE power supply and MicroSD edge storage up to 256GB, simplifies installation and ensures local recording even if the network goes down

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Camera	
Image Sensor	1/2.7" GC6603 CMOS*2
Soc Chip	Sigmastar SSC359G
Effective Pixels	4096(H)x1944 (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
Light Mode	Smart(dual-light) / IR / 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(4096x1944) (default)/1920x1080P Sub Stream: 20fps@1024x480(default)/768x360 (*Note: MJPEG max 1080P)
Video Bitrates	Main stream: 64kbps~12Mbps Sub stream: 64kbps~2Mbps VBR/CBR, quality(1~9), GOP(1~128)
Image Snapshot	Main stream(HD)/Sub Stream(SD) snapshot
Image Rotation	No
Border Crop	No
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
Stitch Distance adjust	1 - 50000mm adjustable
Led	
IR Led	3 pcs IR array LEDs
White Led	2 pcs warm-light LEDs
Distance	25~30 M

Lens	
Focal length	F1.6 2.8mm fixed
FOV	H:180°
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 (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, 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
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(IEEE802.3af)
Power Supply	12 VDC 3 10%
Power Consumption	< 10 W
Operating Temp.	-20 ℃ ~(+60)℃, 10%-90%RH

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