COGNITIO

COG-8MP-EPOE-BUL-MW
8MP PRO AI IR NETWORK BULLET

- 8MP, 1/1.8" CMOS image sensor, low illuminance, high image definition
- Max outputs 8MP (3840×2160) @25fps/30fps
- H.264&H.265 coding, high compression ration
- Wide dynamic, day/night, 3D noise reduction, AWB, HLC, BLC
- ROI, SVC, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- With deep learning algorithm, it supports people counting, face detection, perimeter protection.
- 24V AC/PoE/12V DC power support
- Three streams for two-channel HD video
- IP67, IK10 protection grade

| Starlight | 8Mp | Smart Codec | WDR | People Counting | Face Detection | IP67 |

System Overview

With starlight solution and deep learning algorithm, Pro AI series network camera has various intelligent functions, including face detection, perimeter protection and people counting, which greatly improve the accuracy of video analysis. The series camera supports dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 and IK10.

Functions

Face Detection
Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

People Counting
With deep learning algorithm, eople Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with manage-ment platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.

Smart Codec
With advanced scene-adaptive rate control algorithm, smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

ePoE
ePoE technology provides a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

Perimeter Protection
With deep learning algorithm, Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

ONVIF

COG-8MP-EPOE-BUL-MW

Technical Specification

Camera

Image Sensor	1/1.8"8Megapixel progressive CMOS
Effective Pixels	3840 (H) × 2160 (V)
ROM	4 GB
RAM	2 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.003 Lux@F1.2
IR Distance	Distance up to 60m (196.85 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	4 (IR LEDs)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

Lens

Lens Type	Motorized vari-focal
Mount Type	Module interface
Focal Length	2.7–12 mm
Max. Aperture	F1.2
Field of View	Horizontal: 114°(W)–47°(T) Vertical: 59°(W)–27°(T) Diagonal: 141° (W–55°(T)
Iris Type	Auto aperture
Close Focus Distance	W: 1 M (3.29ft) T: 2.5 M (8.20ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	87.2 m (286.09 ft)	34.9 m (114.50 ft)	17.4 m (57.09 ft)	8.7 m (28.54 ft)
	T	186.7 m (612.53 ft)	74.7 m (245.07 ft)	37.3 m (122.38 ft)	18.6 m (131.23 ft)

Smart event

General IVS Analytics	Abandoned object, moving object

Professional, intelligent

Perimeter Protection	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human), parking detection, loitering detection, and people gathering.
Face Detection	Support face image capture
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard
People Counting	People counting (count the entry number, exit number and pass number), display and output daily/monthly/annual statistics, No. in area
Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.

Video

Video Compression	H.265, H.264,H.264H,H.264B, MJPEG
Smart Codec	Yes
Video Frame Rate	Main Stream: 3840 × 2160 (1–25/30 fps) Sub Stream 1: 704 × 576 (1–25/30 fps) Sub Stream 2: 1920 × 1080 (1–25/30 fps)
Stream Capability	3 streams
Resolution	8M (3840 × 2160), 6M (3072 × 2048/3072 × 1728), 5M (2592 × 1944), 4M (2688 × 1520), 3M (2048 × 1536/2304 × 1296), 1080p(1920 × 1080), 1.3M (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps-16384 kbps H.265: 12 kbps-16384 kbps
Day/Night	ICR switch
BLC	Yes
WDR	120 dB
White Balance	Auto/natural/street lamp/outdoor/manual/regional Custom
Gain Control	Auto/Manual
Noise Reduction	3DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(RoI)	Yes (4 areas)
Electronic Image Stabilization(EIS)	Yes
Smart IR	Yes
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution or below.)
Mirror	Yes
Privacy Masking	4 areas

Audio

Audio Compression	G.711a; G.711Mu; G726; AAC; G.723

Network

Network	RJ-45 (10/100 Base-T)
Protocol	HTTP; Https; 8021.x; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP; SFTP; RTMP; Genetec;Bonjour
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P
Scene self-adaptation	Yes
User/Host	20 (Total bandwidth: 160 M.)
Edge Storage	FTP; Micro SD card (256 G); NAS; SFTP
Browser	IE: Versions later than IE9 Chrome: Versions later than Chrome 42 Firefox: Versions later than Firefox 48.0.2

COG-8MP-EPOE-BUL-MW

Management Software	Smart PSS; DSS; DMSS
Mobile Phone	IOS, Android

Certification

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

Port

RS-485	1 (Bit rate: 1200 bps-115200 bps)
Audio Input	Audio Interface: 1/1 channel In/Out
Audio Output	
Alarm Input	3 channel In: 5mA 5V DC
Alarm Output	2 channel Out: 1000mA 30V DC/500mA 50V AC

Power

Power Supply	12V DC/24V AC/POE
Power Consumption	<17.3W

Environment

Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Operating Humidity	≤95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67, IK10

Structure

Casing	Metal + Plastic
Dimensions	340.1 mm × 108.5 mm × 92.9 mm (13.39" × 4.27" × 3.66") (L × W × H)
Net Weight	1.6 kg (3.53 lb)
Gross Weight	2.4 kg (5.29 lb)

Dimensions (mm/inch)