

COG-5MP-IPC-BUL-MW

5MP LITE AI IR NETWORK BULLET



- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs 2688x1520 (2688x1520) @ 25/30 fps, and supports max. 5MP (2592x1944) @ 20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 60 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, local alarm, voltage detection, audio abnormal
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection



System Overview

With upgraded H.265 encoding technology, Lite series camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays colourful image in the environment of low illumination. It supports SD card storage, waterproof function, dust-proof function, complying to the standards of IP67.

Functions

Smart(H.265+ & H.264+)

Adopting advanced algorithm of auto stream control according to the environment, smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing the cost of storage and transmission.

Wide dynamic range (WDR)

This camera adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back-light environment, bright region and dark region with strong light source, you can also get clear images.

Starlight

Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Intelligent Video Analysis (IVS)

With advanced video algorithm, this camera supports intelligent detection, such as tripwire and intrusion and so on.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with unstable voltage.

Technical Specification						
Camera						
Image Sensor	1/2.7" 5Megapixel progressive CMOS					
Effective Pixels	2592 (H) × 1944 (V)					
ROM	128 MB					
RAM	256 MB					
Scanning System	Progressive					
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s					
Min. Illumination	0.008 Lux@F1.5					
IR Distance	60 m (196.8 ft)					
IR On/Off Control	Auto/Manual					
IR LEDs Number	4					
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°					
Lens						
Lens Type	Motorized vari-focal					
Mount Type	φ14					
Focal Length	2.7 mm–13.5 mm					
Max. Aperture	F1.5					
Field of View	Pan: 100°–26° Tilt: 72°–20° Diagonal: 133°–33°					
Iris Type	Fixed aperture					
Close Focus Distance	0.8m–0.8m (2.62 ft–2.62 ft)					
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	W	64 m (209.97 ft)	25.6 m (83.99 ft)	12.8 m (41.99 ft)	6.4 m (21.00 ft)	
	T	220 m (721.78 ft)	88 m (288.71 ft)	44 m (144.36 ft)	22 m (72.18 ft)	
Smart Event						
General IVS Analytics	Tripwire; intrusion					
Video						
Video Compression	H.265; H.264; H.264B; MJPEG					
Smart Codec	Yes					
Video Frame Rate	Main stream: 2592 × 1944 (1 fps-20 fps) 2688 × 1520 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)					
Stream Capability	2 streams					
Resolution	2592×1944(2592×1944); 2688×1520(2688×1520); 3M(2048×1536); 2304×1296(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–8192 Kbps H.265: 12 Kbps–8192 Kbps					
Day/Night	Auto(ICR)/Colour/B/W					
BLC	Yes					
HLC	Yes					
WDR	120 dB					
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom					
Gain Control	Auto/Manual					
Noise Reduction	3D DNR					
Motion Detection	OFF/ON (4 areas, rectangular)					
Region of Interest(RoI)	Yes (4 areas)					
Smart IR	Yes					
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)					
Mirror	Yes					
Privacy Masking	4 areas					
Audio						
Audio Compression	G.711a; G.711Mu; G.726; AAC					
Network						
Network	RJ-45 (10/100 Base-T)					
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour					
Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec					
User/Host	20					
Edge Storage	Dahua Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS					
Browser	IE Chrome Firefox					
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						
Audio Input	1 channel (RAC port)					
Audio Output	1 channel (RAC port)					
Alarm Input	1 channel In: 5mA 5V DC					
Alarm Output	1 channel Out: 300mA 12 VDC					

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 10.0W

Environment

Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than ≤ 95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67

Structure

Casing	Metal
Dimensions	244.1 mm × Φ90.4 mm (9.61" × Φ3.26")
Net Weight	0.9 kg (2.0 lb)
Gross Weight	1.15 kg (2.6 lb)

Dimensions (mm[inch])

