

# CAM-2065

5MP Lite AI IR Fixed focal Bullet Network Camera



- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 5MP (2592 × 1944)@20 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 50 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, scene changing, audio abnormality detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: In, out; Audio: In, out; Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/POE power support
- IP67 protection
- SMD



## System Overview

With advanced deep learning algorithm, Dahua Lite AI series network camera supports some intelligent functions, such as perimeter protection and smart motion detection. It adopts starlight solution, which makes a better image effect in low illuminance.

## Functions

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

Adopting advanced algorithm of auto stream control according to the environment, Dahua 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)

Dahua 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

Dahua 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, Dahua camera supports intelligent detection, such as tripwire and intrusion and so on.

### Smart Motion Detection (SMD)

With intelligent algorithm, Dahua Smart Motion Detection technology can effectively recognize the target types, flitting the motion detection alarm triggered by non-concerned target types. It can realize effective and accurate alarm.

### 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 can works normal after soaking in 1 m deep water for 30 minutes.

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

Technical Specification							
Camera						Bit Rate Control	
Image Sensor						CBR/VBR	
Effective Pixels						Video Bit Rate	
ROM						H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps	
RAM						Day/Night	
Scanning System						Auto(ICR)/Color/B/W	
Electronic Shutter Speed						BLC	
Min. Illumination						Yes	
IR Distance						HLC	
IR On/Off Control						Yes	
IR LEDs Number						WDR	
Pan/Tilt/Rotation Range						120 dB	
Horizontal: 0°–360°; vertical: 0°–90°; rotation: 0°–360°						White Balance	
						Auto/natural/street lamp/outdoor/manual/regional custom	
Lens						Gain Control	
Lens Type						Auto/Manual	
Mount Type						Noise Reduction	
M12						3D DNR	
Focal Length						Motion Detection	
2.8 mm; 3.6 mm; 6 mm						OFF/ON (4 areas, rectangular)	
Max. Aperture						Region of Interest(Rol)	
F1.6						Yes (4 areas)	
Field of View						Smart IR	
2.8 mm: Horizontal: 98°; vertical: 72°; diagonal: 130° 3.6 mm: Horizontal: 80°; vertical: 59°; diagonal: 106° 6 mm: Horizontal: 50°; vertical: 36°; diagonal: 64°						Yes	
Iris Type						Image Rotation	
Fixed aperture						0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution.)	
Close Focus Distance						Mirror	
2.8 mm: 0.9 m (3.0 ft) 3.6 mm: 1.6 m (5.3 ft) 6 mm: 3.2 m (10.5 ft)						Yes	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Privacy Masking	
	2.8mm	56.0 m (183.7 ft)	22.4 m (73.5 ft)	11.2 m (36.8 ft)	5.6 m (18.4 ft)	4 areas	
	3.6mm	80.0 m (262.5 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)	8.0 m (26.3 ft)		
	6mm	120.0 m (393.7 ft)	48.0 m (157.5 ft)	24.0 m (78.7 ft)	12.0 m (39.4ft)		
Professional, Intelligent						Audio	
Perimeter Protection						Built-in MIC	
Tripwire; intrusion (Recognition of human and vehicle)						Yes	
Intelligent Search						Audio Compression	
Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos						G.711a; G.711Mu; G726; AAC	
Video						Network	
Video Compression						Network	
H.265; H.264; H.264H; H.264B; MJPEG						RJ-45 (10/100 Base-T)	
Smart Codec						Protocol	
Yes						HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP; NTP	
Video Frame Rate						Interoperability	
Main stream (2592 × 1944@1–20 fps) (2688 × 1520@1–25/30 fps) sub stream(704 × 576@1–25 fps/704 × 480@1–30 fps) third stream(1280 × 720@1–25/30 fps)						ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec	
Stream Capability						Scene Self-adaptation	
3 streams						Yes	
Resolution						User/Host	
5M (2592 × 1944); 4M (2688 × 1520); 3M (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)						20 (Total bandwidth: 64 M)	
						Edge Storage	
						FTP; Micro SD Card (support max. 256 G); Dahua Cloud; NAS	
						Browser	
						IE: IE8, IE9, IE11 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 (RCA port)	
						Audio Output	
						1-channel (RCA port)	
						Alarm Input	
						1 channel in: 5mA 3V–5V DC	

Alarm Output	1 channel out: 300mA 12V DC
Power	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 5.4W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than≤95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67
Structure	
Casing	Metal
Dimensions	192.7 mm × 70.5 mm × 66.4 mm (632.2" × 231.3" × 217.8") (L × W × H)
Net Weight	590 g (1.3lb)
Gross Weight	780 g (1.7lb)

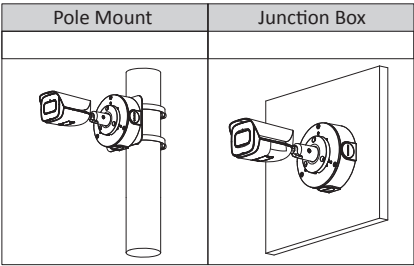
Accessories



CAM-571N  
Junction Box



CAM-215  
Pole Mount



Dimensions (mm[inch])

