

ELITE 8MP IP Fixed Lens Dome W/Built in Mic



- 8MP, 1/2.7" CMOS image sensor, low illuminance, high definition image
- Outputs max. 8MP (3840 × 2160)@15 fps, and supports 2688 × 1520 (2688 × 1520)@25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 30 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D NR, 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 disconnection, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card, built-in MIC
- 12 V DC/PoE power supply
- IP67 protection



Series Overview

With upgraded H.265 encoding technology, Lite series network camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better color image in the condition of low illumination. It supports SD card storage, dust-proof function, waterproof function and vandal-proof function, complying with the standards of IP67 (Supported by some select models).

Functions

Smart H.265+ & Smart H.264+

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.

WDR

With advanced Wide Dynamic Range (WDR) technology, network camera provides clear details in the environment of strong brightness contrast. The bright and dark area can get clear video even in high brightness environment or with backlight shadow.

Starlight

With advanced image processing technology and optical technology, Starlight technology can provide clear colorful video in the environment of low illuminance. It widely applies to various environments of low illuminance.

IVS

With advanced video algorithm, IVS technology supports intelligent functions, such as tripwire and intrusion.

Cyber Security

Network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

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 $\pm 30\%$ (for some power supplies) input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification						
Camera						
Image Sensor		1/2.7" CMOS				
Max. Resolution		3840 (H) ×2160 (V)				
ROM		128 MB				
RAM		256 MB				
Scanning System		Progressive				
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s				
Min. Illumination		0.009 Lux@F2.0				
S/N Ratio		> 56 dB				
Illumination Distance		30 m (98.43 ft)				
Illuminator On/Off Control		Auto/Manual				
Illuminator Number		2 (IR LED)				
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				
Lens						
Lens Type		Fixed-focal				
Mount Type		M12				
Focal Length		2.8 mm				
Max. Aperture		F2.0				
Field of View		2.8 mm: Pan 105° × Tilt 56° × Diagonal 125°				
Iris Type		Fixed				
Close Focus Distance		2.8 mm: 1.0 m (3.3 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	2.8 mm	74.7 m (245.1 ft)	29.9 m (98.1 ft)	14.9 m (48.9 ft)	7.5 m (24.6 ft)	
Smart event						
IVS		Tripwire; intrusion				
Video						
Video Compression		H.265; H.264; H.264B; MJPEG (only supported by the sub stream)				
Smart Codec		Smart H.265+/ Smart H.264+				
Video Frame Rate		Main stream: 3840 × 2160 (1 fps–15 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		3840 × 2160 (3840 × 2160); 3072 × 2048 (3072 × 2048); 3072 ×1728 (3072 × 1728); 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)/Color/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 NR
	Motion Detection	OFF/ON (4 areas, rectangular)
	Region of Interest(Roi)	Yes (4 areas)
Smart Illumination	Yes	
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)	
Mirror	Yes	
Privacy Masking	4 areas	
Audio		
Built-in MIC	Yes	
Audio Compression	G.711A; G.711Mu; G.726	
Alarm		
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception	
Network		
Network	RJ-45 (10/100 Base-T)	
SDK and API	Yes	
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade	
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour	
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec	
User/Host	20	
Storage	FTP; Micro SD card (support max. 256 G); NAS; SFTP	

Browser	IE Chrome Firefox
Management Software	Smart PSS; DSS; Elite Viewer Pro; DMSS
Mobile Phone	IOS; Android
Certification	
Certifications	CE-LVD: EN62368-1 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
Power	
Power Supply	12 V DC/PoE (802.3af)
Power Consumption	< 7.2 W
Environment	
Operating Conditions	−40 °C to +55 °C (−40 °F to +131 °F)/less than ≤ 95% RH
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Protection	IP67
Structure	
Casing	Metal
Dimensions	99.1 mm × Φ121.9 mm (3.9" × Φ4.8")
Net Weight	0.48 kg (1.1 lb)
Gross Weight	0.65 kg (1.4 lb)

