

UN-BF2431

4MP Lite IR Fixed-focal Bullet Network Camera



- · 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- \cdot Outputs max. 4MP (2688 \times 1520) @20 fps, and supports 2560×1440 (2560 \times 1440) @25/30 fps
- · H.265 codec, high compression rate, ultra-low bit rate
- · Built-in IR LED, max IR distance: 80 m
- · Rol, 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, local alarm, voltage detection, audio detection
- · Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- · 12V DC/POE power support supply
- · IP67 protection, IK10 protection (optional)



Featuresand Functions

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, United 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, United 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

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

IVS

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

Cyber Security

United network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device. With UL CAP Certification, TÜV Rheinland Protected Privacy IoT Product Certification, and ETSI EN 303645 Certification, United network camera better meets the demands of cyber security and privacy protection.

Protection (IP67, IK10, 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.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.





Technical Sp	ocificatio	on						2688 ×
Camera	ecilicati	JII .					Resolu on	3M (20 (1920 ×
Image Sensor		1/3" 4Megapixel progressive CMOS						D1 (70 ⁴ 288/35
Max. Resolution		2688 (H) × 1520 (V)					Bit Rate Control	CBR/VE
ROM		128 MB					Video Bit Rate	H.264:
RAM		128 MB						H.265:
Scanning System		Progressive					Day/Night	Auto(IC
Electronic Shutter Speed		Auto/Manual 1/3 s–1/100,000 s					BLC	Yes
Min. Illumination		0.008 Lux@F1.6					HLC	Yes
S/N Ratio		> 56 dB					WDR	120 dB Auto/n
Illumination Distance		80 m (262.5 ft)					White Balance	custom
Illuminator On/Off Control		Auto/Manual					Gain Control	Auto/N
Illuminator Num	ber	4 (IR LED)					Noise Reduction	3D NR
D /T:l+ /D-+-+	- D	Pan: 0°-360°					Motion Detection	OFF/ON
Pan/Tilt/Rotation	n Kange	Tilt: 0°–90° Rotation: 0°–360°					Region of Interest (RoI)	Yes (4 a
Lens							Smart Illumination	Yes
Lens Type		Fixed-focal					Image Rotation	0°/90°/ resolut
Mount Type		M12					Mirror	Yes
Focal Length		3.6 mm; 6 mm; 8 mm 3.6 mm: F1.6					Privacy Masking	4 areas
Max. Aperture		6 mm: F1.6 8 mm: F1.6					Audio	
Field of View		3.6 mm: Horizontal 84° × Vertical 45° × Diagonal 100° 6 mm: Horizontal 52° × Vertical 28° × Diagonal 61° 8 mm: Horizontal 40° × Vertical 23° × Diagonal 45°					Audio Compression	G.711a
Iris Type		Fixed					Alarm	N 60
Close Focus Distance		3.6 mm: 1.4 m (4.6 ft) 6 mm: 3.1 m (10.2 ft) 8 mm:4.9 m(16.1 ft)					Alarm Event	No SD of disconring detection detection alarm
	Lens	Detect	Observe	Recognize	Identify		Network	
	3.6 mm	80 m (262.5 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)	8.0 m (26.2 ft)		Network	RJ-45 (2
DORI Distance	6 mm	120.0 m (393.7 ft)	48.0 m (157.5 ft)	24.0 m (78.7 ft)	12.0 m (39.4 ft)		SDK and API	Yes
	8 mm	160.0 m (524.9 ft)	64.0 m (210.0 ft)	32.0 m (105.0 ft)	16.0m (52.5 ft)		Cyber Security	Video e encrypt IP/MAC
Smart Event								certifica executi
ıvs Video		Tripwire; intrusion					Protocol	IPv4; IP RTMP; NTP; M
Video Compression		H.265; H.264; H.264B; MJPEG(only supported by the sub stream)					Interoperability	CGI; Mi
Smart Codec		Smart H.265+/ Smart H.264+					User/Host	20
		Main stream:					Storage	FTP; SF
Video Frame Rate		2688 × 1520 (1 fps-20 fps) 2560 × 1440 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)					Browser	IE Chrome Firefox
Stream Capability		2 streams					Management Software	Smart F

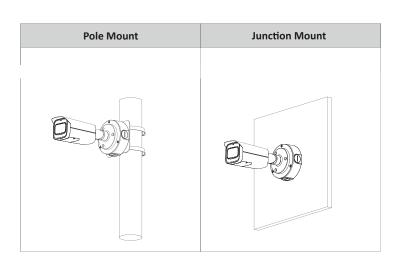
Resolu on	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 3M (2048 × 1536); 2304 × 1296 (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
Bit Rate Control	CBR/VBR				
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 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	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Supports $90^{\circ}/270^{\circ}$ with 2688×1520 resolution and lower)				
Mirror	Yes				
Privacy Masking	4 areas				
Audio					
Audio Compression	G.711a; G.711Mu; G.726				
Alarm					
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; audio detection; voltage detection; security exception; local alarm				
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	CGI; Milestone; Genetec; P2P				
User/Host	20				
Storage	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: 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			
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	< 7.7W			
Environment				
Operating Conditions	-40°C to +60°C (-40 °F to +140°F)/less than ≤ 95% RH			
Storage Temperature	-40°C to +60°C (-40°F to +140°F)			
Protection Grade	IP67; IK10(optional)			
Structure				
Casing	Metal			
Dimensions	244.1 mm × Φ90.4 mm (9.61" × Φ3.26")			
Net Weight	0.91 kg (2.0 lb)			

1.16 kg (2.6 lb)

Gross Weight



Dimensions (mm/inch)

