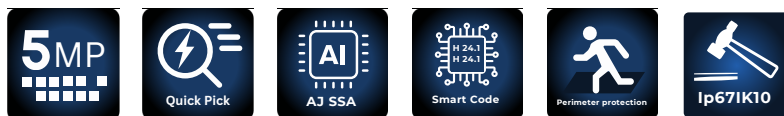




MPIX-50DFAI

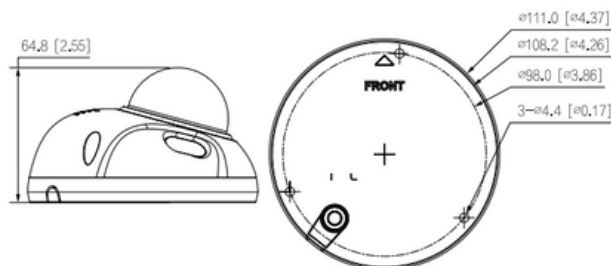
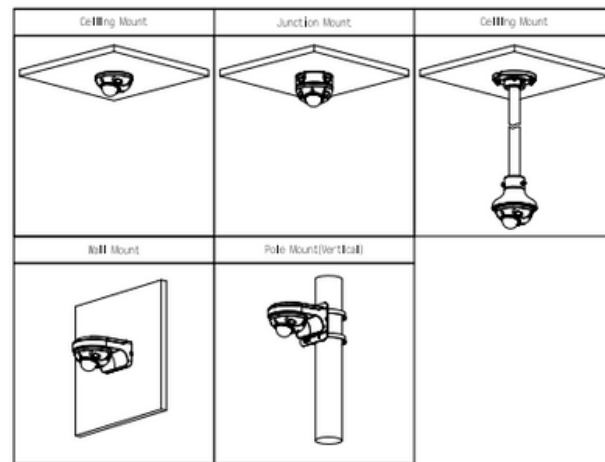
5MP IR Fixed-focal Dome Network Camera



CE FC

Features:

- 5 MP 1/2.7" CMOS image sensor, excellent low luminance performance and high definition of images.
- Outputs max. 5 MP (2960 × 1668) @20 fps and supports 4MP (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+, AI 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 (support the classification and accurate detection of vehicle and human).Abnormality detection: Motion detection, privacy masking, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; max. 256 G Micro SD card. built-in Mic. 12 VDC/PoE power supply facilitates installation.
- IP67, IK10 protection.
- SMD 4.0, AI SSA.



Specifications :

Camera		Intelligence	
Image Sensor	1/2.7" CMOS	IVS (Perimeter Protection)	Tripwire, intrusion (support the classification and accurate detection of vehicle and human)
Max. Resolution	2960 (H) × 1668 (V)	AI SSA	Yes
ROM	128 MB	Quick Pick	With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events
RAM	512 MB	Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos
Scanning System	Progressive	Video	
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s	Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Min. illumination	0.005 lux@F1.4 (Color, 30 IRE) 0.0005 lux@F1.4 (B/W, 30 IRE) 0 lux (Illuminator on)	Smart Codec	Smart H.265+ Smart H.264+
S/N Ratio	>56 dB	AI Coding	AI H.265 AI H.264
Illumination Distance	30 m (98.43 ft)	Video Frame Rate	Main stream: 2880 × 1620 @ (1–20) fps / 2960 × 1668 @ (1–20) fps / 2688 × 1520@(1–25/30 fps) Sub stream 1: 704 × 576 @ (1–25 fps)/ 704 × 480 @ (1–30 fps) Sub stream 2: 1920 × 1080 @ (1–25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity
Illuminator On/Off Control	Auto/Manual	Stream Capability	3 streams
Illuminator Number	2 (IR LED)	Resolution	5M (2880 × 1620/2960 × 1668); 4M (2688 × 1520); 3.6M (2560 × 1440); 3M (2048×1536); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704×480); CIF (352 × 288/352 × 240); VGA (640 × 480)
Pan/Tilt/Rotation Range	Pan: 0°–355°; Tilt: -20°–70°; Rotation: 0°–355°	Bit Rate Control	CBR/VBR
Lens		Video Bit Rate	H.264: 3 kbps–8192 kbps H.265: 3 kbps–8192 kbps
Lens Type	Fixed	Day/Night	Auto (ICR)/Color/B/W
Lens Mount	M12	BLC	Yes
Focal Length	2.8 mm; 3.6 mm; 6 mm	HLC	Yes
Max. Aperture	F1.4	WDR	120 dB
Iris Control	Fixed	Scene Self-adaptation (SSA)	Yes
Field of View	2.8 mm: Horizontal: 111°; vertical: 58°; diagonal: 132° 3.6 mm: Horizontal: 92°; vertical: 45°; diagonal: 110° 6 mm: Horizontal: 57°; vertical: 30°; diagonal: 65°	White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Close Focus Distance	2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.6 m (5.25 ft) 6 mm: 3.2 m (10.50 ft)	Gain Control	Auto
DORI Distance	Lens Detect Observe Recognize Identify	Noise Reduction	3D NR
	2.8 mm 63.6 m 25.4 m 12.7 m 6.4 m (208.66 ft) (83.33 ft) (41.66 ft) (41.66 ft)	Motion Detection	OFF/ON (4 areas, rectangular)
	3.6 mm 85.4 m 34.2 m 17.1 m 8.5 m (280.18 ft) (112.20 ft) (56.10 ft) (27.89 ft)	Region of Interest (RoI)	Yes (4 areas)
DORI Distance	6 mm 124.0 m 49.6 m 24.8 m 12.4 m (406.82 ft) (162.73 ft) (81.36 ft) (40.68 ft)	Defog	Yes
		AFSA	Yes
		Image Rotation	0°/90°/180°/270° (support 90°/270° with 2688 × 1520 resolution and lower)
Audio		Mirror	Yes
Built-in MIC	Yes	Privacy Masking	4 areas
Audio Compression	G.711a; G.711Mu; PCM; G.726; G.723		
Alarm			
Alarm Event	No SD card; SD card full; SD card error; service life warning (only supported by Dahua card); network disconnection; IP conflict; illegal access; motion detection; video tampering; intrusion; tripwire; scene changing; audio detection; voltage detection; external alarm; SMD; safety exception		

Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP
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
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20 (Total bandwidth: 64 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE: IE11 Chrome Firefox
Management Software	Smart PSS; DSS; DMSS
Mobile Client	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: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
Port	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	1 channel in: 5 mA 3–5 VDC
Alarm Output	1 channel out: 300 mA 12 VDC
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 3.8 W (12 VDC); 4.6 W (PoE) Max. (WDR + IR intensity + Intelligence): 5.9 W (12 VDC); 7.2 W (PoE)
Environment	
Operating Temperature	–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	IP67, IK10

Structure	
Casing	Metal
Product Dimensions	64.8 mm × Φ111.0 mm (2.55" × Φ4.37")
Net Weight	423 g (0.93 lb)
Gross Weight	530 g (1.17 lb)

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