



FEATURES

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Starlight technology
- H.265 Encoding
- Max. 50/60fps@1080P
- IVS
- IP68, IK10, NEMA 4X
- Material: 316L Stainless Steel

This anti-corrosion camera is suitable for a wide range of CCTV applications, from basic monitoring to more complex surveillance tasks. It incorporates a high-performance Digital Signal Processor (DSP) and an advanced image sensor, delivering superior imaging quality and reliability.

The camera boasts an IP68 rating for water and dust resistance, along with professional certifications, making it ideal for specialized video surveillance in corrosive environments.

It is particularly well-suited for use in chemical industries, ports, coastlines, and other challenging locations where standard cameras may fail due to harsh conditions.

TECHNICAL SPECIFICATIONS

Camera	Image Sensor	1/2.8" STARVIS™ CMOS		
	Effective Pixels	1920 (H) × 1080 (V)		
	ROM	128 MB		
	RAM	128 MB		
	Scanning System	Progressive		
	Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s		
	Min. Illumination	0.005 Lux@F2 (Color, 30 IRE) 0 Lux (Illuminator on)		
	S/N Ratio	> 56 dB		
	Illumination Distance	30 m (98.43 ft) (IR)		
	Illuminator On/Off Control	Auto; manual		
	Illuminator	(IR LED)		
Lens	Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–65° Rotation: 0°–355°		
	Lens Type	Fixed-focal		
	Mount Type	M12		
	Focal Length	2.8 mm; 3.6 mm		
	Max. Aperture	2.8 mm: F1.6 3.6 mm: F1.6		
	Field of View	2.8 mm: Horizontal: 107°; Vertical: 56°; Diagonal: 127° 3.6 mm: Horizontal: 88°; Vertical: 44°; Diagonal: 105°		
	Iris Type	Fixed		
	Close Focus Distance	2.8 mm: 0.7 m (2.30 ft) 3.6 mm: 1.3 m (4.27 ft)		
	DORI Distance	Lens	2.8 mm	3.6 mm
		Detect	43.9 m (144.03 ft)	58.9 m (193.24 ft)
		Observe	17.5 m (57.41 ft)	23.6 m (77.43 ft)
		Recognize	8.8 m (28.87 ft)	11.8 m (38.71 ft)
Smart Event	IVS	Identify	4.4 m (14.44 ft)	5.9 m (19.36 ft)
		Tripwire, Intrusion, Abandoned/Missing		
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: 1920 × 1080 @1-25/30 fps Sub stream: 704 × 576 @25 fps; 704 × 480 @30 fps		
	Stream Capability	3 streams		
	Resolution	Main stream: 1920 × 1080@1–25/30 fps Sub stream: 704 × 576@1–25 fps 704 × 480@1–30 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.		
	Stream Capability	2 streams		
	Resolution	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		
Video	BLC	Yes		
	HLC	Yes		
	WDR	WDR (120dB)		
	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)		
	Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)		
	Mirror	Yes		
	Privacy Masking	4 areas		
Alarm Event				
Network	Network Port	RJ-45 (10/100 Base-T)		
	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; PPPoE; Bonjour		
	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		
	User/Host	20 (Total bandwidth: 48 M)		
	Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS		
	Browser	IE - Chrome - Firefox		
	Management Software	Smart PSS; DSS; MT Mobile		
	Mobile Client	IOS; Android		
Certification		CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpart B, ANSI C63.4- 2014		
Power	Power Supply	DC12V/1.5A, PoE(802.3af)		
	Power Consumption	Basic: 1.9 W (12 V DC); 2.4 W (PoE) Max. (ICR + H.265 + max. resolution + main stream + IR intensity + WDR + IVS): 4.5 W (12 V DC); 5.4 W (PoE)		
Environment	Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)		
	Operating Humidity	≤ 95%		
	Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)		
	Protection	IP68; IK10		
Structure	Casing	316L stainless steel		
	Dimensions	Φ152mm × 101mm × 107.5mm		
	Net Weight	2 kg		
	Gross Weight	2.27 kg		