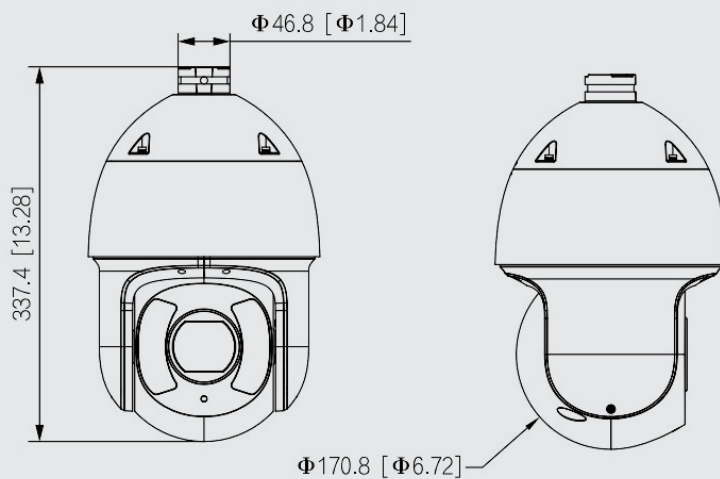


Industrial CCTV



FEATURES

- 1/2.8" 4Megapixel STARLIGHT CMOS
- Powerful 45x optical zoom
- Starlight technology
- Max. 25/30fps@4MP
- Ai Deep-learning-based auto tracking and perimeter protection
- Face detection
- Mineral crystal glass
- -40° +70°
- IP67 , IK10



TECHNICAL SPECIFICATIONS

Camera	Image Sensor	1/2.8" STARLIGHT CMOS
	Pixels	4MP
	Max. Resolution	2560 (H) × 1440 (V)
	Scanning System	Progressive
	Electronic Shutter Speed	1/1 s–1/30,000 s
	Minimum Illumination	Color: 0.005 Lux@F1.6; B/W: 0.0005 Lux@F1.6;
	Glass	mineral crystal glass
Lens	Focal Length	3.95 mm–177.75 mm
	Max Aperture	F1.6–F4.95F1.9
	Angle of View	H: 70.3°–1.8°; V: 37°–1°; D: 69.3°–2°
	Optical zoom	45x
	Focus Control	Auto/Manual
	Iris Control	Auto/Manual
	Close Focus Distance	10 mm–3,000 mm
DORI distance	Detect	3176 m (10420 ft)
	Observe	1271 m (4170 ft)
	Recognize	635 m (2083 ft)
	Identify	318 m (1043 ft)
PTZ	Pan/Tilt Range	Pan: 0°–360° endless; Tilt: -20°–90°, auto flip 180°
	Manual Control Speed	Pan: 0.1°–260° /s; Tilt: 0.1°–120° /s
	Preset Speed	Pan: 300° /s; Tilt: 200° /s
	Preset	300
	Tour	8 (up to 32 presets per tour)
	Pattern	5
	Pan	5
	Power up Action	Auto restore to previous PTZ and lens status after power failure
	Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
	Protocol	MT-SD, Pelco-P/D (Auto recognition)
Artificial Intelligence	Perimeter Protection	Tripwire, Intrusion. Support alarm triggering by target types(human and vehicle) Filtering out false alarms caused by animals, rustling leaves, bright lights, etc
	Auto Tracking	Support
	Video Structuralization	Support human, motor vehicle and non-motor vehicle image capture
	SMD Plus	Support
	Face Detection	Support
General Intelligence	Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
	General Intelligence	Object Abandoned/Missing
Video	Compression	H.265+/H.265/H.264+/H.264/MJPEG(Sub Stream)
	Streaming Capability	3 Streams
	Resolution	4M (2560×1440)/3M (2048×1536)/1080p(1920×1080)/720p(1280×720)/D1 (704×576/704×480)/CIF (352×288/352×240)
	Frame Rate	Main stream: 4M/3M (1–25/30 fps), 1080p/1.3M/ 720p (1–25/30 fps) Sub stream1: D1/CIF (1–25/30 fps) Sub stream2: 1080p (1–25/30 fps), 720p (1–25/30 fps)
	Bit Rate Control	CBR/VBR
	Bit Rate	H.265/H.264: 3 Kbps–20,480 Kbps
	Day/Night	Auto (ICR) / Color / B/W
	BLC	Support
	WDR	120 dB
	HLC	Support
	White Balance	Auto, ATW, Indoor, Outdoor, Manual
	Gain Control	Auto / Manual
	Noise Reduction	Ultra DNR (2D/3D)
	Motion Detetion	Support
	Region of Interest	Support
	Image Stabilization	Electronic
	Defog	Support
	Digital Zoom	16x
	Flip	180°
	Privacy Masking	Up to 24 areas
Audio	Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/MPEG2-L2
Network	Ethernet	RJ-45 (10Base-T/100Base-TX)
	Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, RTCP, RTSP, RTMP, RTP, SMTP, NTP, DHCP, DNS,PPPOE-,DDNS,FTP, IP Filter,QoS,-Bonjour,802.1x
	Interoperability	ONVIF Profile S&G&T, API
	Streaming Method	Unicast/Multicast
	User/Host	20 Users
	Storage	NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB
	Browser	IE, Chrome, Firefox, Safari
	Management Software	MTSmart PSS,
	Smart Phone	Android, IOS
	Certification	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014
Port	RS485	1
	Audio I/O	1 (Line in; bare wire)/1 (Line out; bare wire)
	Alarm I/O	7/2
Power	Power Supply	DC 24 V/2.5 A ± 25%; PoE-(802.3at)
	Power Consumption	13 W, 26 W (IR On, Heater On)
Environment	Operating Conditions	–40 °C to 70 °C (–40 °F to +158°F) / Less than 95% RH
	Protection	IP67, IK10
Construction	Casing	Metal
	Dimensions	φ209 × 337.4 mm
	Net Weight	5.9 kg (13 lb)
	Cross Weight	9.6 kg (21.16 lb)