



Features

- Suitable for hazardous locations:
 - Gas: Class II, T1–T6, Zone 0, Zone 1, Zone 2
 - Dust: Zone 20, Zone 21, Zone 22
- Applications: refineries, oil extraction, gas recovery, fireworks production, food processing and storage, gas stations
- Explosion-proof mark: Exd IIC T6 Gb / Exd A21 IP66 T80°C
- Protection level: IP68
- Material: 304 stainless steel (also available in 316L stainless steel)
- Inner dimension of shield: 346 mm (L) x 284 mm (W) x 398 mm (H)
- Horizontal rotation: 0° to 360°
- Vertical rotation: +45° to -90°
- Horizontal rotation speed: <20°/s
- Vertical rotation speed: <20°/s
- Electrical specifications:
 - Input control voltage: 220 VAC / 24 VAC (factory-configured option)
 - Maximum current: <2 A
 - Communication mode: RS-485
 - Communication rate: Adjustable
 - Communication protocols: Configurable
 - Electrical connection: 2-core cable for power supply
- Support optical defog
- Support basic detection functions
- Support Onvif
- ICR Automatic Switching, 24 Hours a Day and Night Monitor
- Support Backlight Compensation, Automatic Electronic Shutter, and Adapt to Different Monitoring Environments
- Support 3D Digital Noise Reduction, High light Suppression, Electronic Image Stabilization, 120 dB Optical Width Dynamics
- Support 255 Presets, 8 Patrols

Specifications

CAMERA	
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	Color: 0.0005 Lux @ (F1.35, AGC ON) Black: 0.0001 Lux @ (F1.35, AGC ON)
Shutter Time	1/25–1/100,000 s
Automatic Aperture	DC drive
Day & Night	ICR
Digital Zoom	16x
LENS	
Focal Length	6.4–256 mm, 40x Optical Zoom
Aperture Range	F1.35–F4.6
Field of View	H: 60.9°–2.05° (Wide–Tele)
Working Distance	100–1500 mm (Wide–Tele)
Zoom Speed	Approximately 4.5 s (optional, Wide–Tele)
COMPRESSION STANDARD	
Video Compression	H.265 / H.264
H.265 Encoding Type	Main Profile
H.264 Encoding Type	Base Line Profile / Main Profile / High Profile
Video Bitrate	32 Kbps–16 Mbps
Audio Compression	G.711alaw / G.711ulaw / G.722.1 / G.726 / MP2L2 / PCM / AAC
Audio Bitrate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32–192 Kbps (MP2L2) / 16–64 Kbps (AAC)
IMAGE	
Main Stream	50 Hz: 25 fps (3840 x 2160, 1280 x 960, 1280 x 720); 60 Hz: 30 fps (3840 x 2160, 1280 x 960)
Third Stream	Independent of main stream settings; supports up to: 50 Hz: 25 fps (704 x 576); 60 Hz: 30 fps (704 x 576)
Image Setting	Corridor mode, saturation, brightness, contrast, and sharpness can be adjusted by client or browser
Backlight Compensation	Support
Exposure Mode	Automatic exposure / aperture priority / shutter priority / manual exposure

Specifications

Focus Control	Auto focus / one focus / manual focus / semi-auto focus
Area Exposure/Focus	Support
Optical Defog	Support
Day & Night	Auto (ICR) / Color / B/W
Noise Reduction	3D DNR
Image Overlay	Support 8MP 24-bit image overlay, optional region
ROI	Supports one fixed region for each three-bit stream
NETWORK FUNCTION	
Network Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS)
Protocol	TCP/IP; ICMP; HTTP; HTTPS; FTP; DHCP; DNS; RTP; RTSP; RTCP; NTP; SMTP; SNMP; IPv6
Interface Protocol	ONVIF (Profile S, Profile G)
INTELLIGENT COMPUTING POWER	
Intelligent	1T
INTERFACE	
External Interface	36 pin FFC (including network ports, RS485, RS232, SDHC, Alarm In/Out, Line In/Out, Power Supply)
GENERAL	
Working Environment	Temperature: -30°C to +60°C (-22°F to +140°F) Humidity: <95% (non-condensing)
Power Supply	DC 12 V ± 10%
Consumption	2.5 W Max. (IR, 4 W Max.)