



### 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 / Extd A21 IP66 T80°C
- Protection level: IP68
- Material: 316L stainless steel (also available in 304 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 Area Intrusion Detection, Cross-border Detection, Movement Detection
- Support Onvif
- ICR Automatic Switching, 24 Hours Day and Night Monitor
- Support Backlight Compensation, Automatic Electronic Shutter, Adapt to Different Monitoring Environment
- Support 3D Digital Noise Reduction, High light Suppression, Electronic Image Stabilization, 120 dB Optical Width Dynamics
- Support 255 Presets, 8 Patrols
- Support Timed Capture and Event Capture
- Support One-click Watch and One-click Cruise Functions

### Specifications

CAMERA	
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.001 Lux @ (F1.5, AGC ON) Black: 0.0005 Lux @ (F1.5, AGC ON)
Shutter Time	1/25–1/100,000 s
Automatic Aperture	DC drive
Day & Night	ICR
Digital Zoom	16x
LENS	
Focal Length	4.8–158 mm, 33x Optical Zoom
Aperture Range	F1.5–F4.0
Field of View	H: 58.9°–2.4° (Wide–Tele)
Working Distance	100–1500 mm (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 (2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720); 60 Hz: 30 fps
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

<b>Focus Control</b>	Auto focus / one focus / manual focus / semi-auto focus
<b>Area Exposure/Focus</b>	Support
<b>Day &amp; Night</b>	Auto (ICR) / Color / B/W
<b>Noise Reduction</b>	3D DNR
<b>Image Overlay</b>	Support 8MP 24-bit image overlay, optional region
<b>ROI</b>	Supports one fixed region for each three-bit stream
<b>NETWORK FUNCTION</b>	
<b>Network Storage</b>	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NFS, SMB/CIFS)
<b>Protocol</b>	TCP/IP; ICMP; HTTP; HTTPS; FTP; DHCP; DNS; RTP; RTSP; RTCP; NTP; SMTP; SNMP; IPv6
<b>Interface Protocol</b>	ONVIF (Profile S, Profile G)
<b>INTERFACE</b>	
<b>External Interface</b>	36 pin FFC (including network ports, RS485, RS232, CVBS, SDHC, Alarm In/Out, Line In/Out, Power Supply)
<b>GENERAL</b>	
<b>Working Environment</b>	Temperature: -30°C to +60°C (-22°F to +140°F) Humidity: <95% (non-condensing)
<b>Power Supply</b>	DC 12 V ± 25%
<b>Consumption</b>	2.5 W Max. (IR, 4.5 W Max.)