



Description

A compact T-type long-range intelligent monitoring PTZ camera designed for vehicle mobile law enforcement, substations, towers, inspection robotics, and mobile surveillance applications.

Features

- 8MP visible camera with 40X optical zoom
- 500m laser class, 800m listed illumination
- 6.4-256mm long focal length lens
- 3D positioning function
- EIS image stabilization
- Optical defog support
- ONVIF Profile S / Profile G
- MicroSD up to 256GB and NAS support
- Wiper and automatic glass defogging
- IP66 outdoor protection

Applications

- Vehicle mobile law enforcement
- Substations and utility towers
- Inspection robots and mobile platforms
- Remote site perimeter monitoring
- Temporary surveillance deployments
- Industrial security observation

Specifications

| CAMERA | | |
|---------------------------------|--------------|--------------------------------------------------------------------|
| Image Sensor | | 1/1.8" Progressive Scan CMOS |
| Max. Resolution | | 3840 × 2160 (8MP) |
| Min. Illumination | Color | 0.0005 Lux @F1.35, AGC ON |
| | B/W | 0.0001 Lux @F1.35, AGC ON |
| Day/Night Switch | | ICR cut filter; automatic, manual, timing, and alarm trigger modes |
| Shutter | | 1/25s to 1/100,000s; delayed shutter supported |
| Digital Zoom | | 16x |
| Optical Zoom | | 40x |
| LENS | | |
| Aperture | | DC drive |
| Aperture Range | | F1.35-F4.6 |
| Focal Length | | 6.4-256 mm |
| Field of View | H | 62.2°–2.1° (Wide to Tele) |
| | V | 36.3°–1.2° (Wide to Tele) |
| | D | 72.0°–2.4° (Wide to Tele) |
| Min. Working Distance | | 100–1500 mm (Wide to Tele) |
| Zoom Speed | | Approximately 4.5 s from optical wide to tele |
| LASER ILLUMINATION | | |
| Laser Class | | 500 m (1640 ft) laser |
| Listed Lighting Distance | | 800 m (2624.7 ft) |
| Zoom Range | | 1°–50° auto zoom |
| Optical Power | | 5 W |
| Wavelength | | 808 nm |
| Listed Fill Light | | IR 100 m (328.1 ft) |
| VIDEO | | |
| Video Compression | | H.265 / H.264 / MJPEG |
| H.265 Profile | | Main Profile |
| H.264 Profile | | BaseLine Profile / Main Profile / High Profile |
| Video Bitrate | | 32 Kbps–16 Mbps |
| Audio Compression | | G.711a / G.711u / G.722.1 / G.726 / MP2L2 / AAC / PCM |



Specifications

| | | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Frame Rate | Main Stream | 25/30 fps @3840 x 2160, 2688 x 1520, 1920 x 1080, 1280 x 960, 1280 x 720 |
| | Sub Stream | 25 fps @1280 x 720, 704 x 576, 640 x 480, 352 x 288; 30 fps @1280 x 720, 704 x 480, 640 x 480, 352 x 240 |
| | Third Stream | 25/30 fps @704 x 567/480, 640 x 480, 352 x 288/240 |
| ROI | 3 streams and 4 fixed areas | |
| IMAGE | | |
| Image Settings | Saturation, brightness, contrast, and sharpness adjustable by client or browser | |
| BLC | Supported | |
| Exposure Mode | AE, aperture priority, shutter priority, manual exposure | |
| Focus Mode | Auto focus, one focus, manual focus, semi-auto focus | |
| Area Exposure / Focus | Supported | |
| Defog | Supported | |
| Image Stabilization | EIS | |
| Digital Noise Reduction | 3D DNR | |
| Picture Overlay | BMP 24-bit image overlay with customizable area | |
| NETWORK | | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, SMTP, SNMP, IPv6 | |
| Compatible Integration | ONVIF (Profile S, Profile G) | |
| EVENTS | | |
| Basic Intelligence | Motion detection, video blocking, disk detection, illegal access | |
| Smart Intelligence | Area intrusion, cross-border detection, leaving area, wandering detection, crowd gathering, fast movement, audio anomaly | |
| STORAGE | | |
| Edge Storage | Micro SD / SDHC / SDXC, up to 256 GB | |
| Network Storage | NAS support with NFS, SMB/CIFS | |

| | | |
|------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|
| PTZ | | |
| Pan | Range | 360° continuous rotation |
| | Speed | 0°/s–20°/s |
| Tilt | Range | -90° to +90° rotation |
| | Speed | 0°/s–15°/s |
| Preset Accuracy | | <0.1° |
| Preset Positions | | 255 |
| GENERAL | | |
| Wiper | Supported | |
| Power Supply | AC24V +/- 10%; DC24V optional | |
| Power Consumption | Max. 45 W | |
| Protection Grade | IP66 | |
| Operating Environment | Temperature | -30°C to +70°C |
| | Humidity | <90% RH |
| Weight | 10 kg (22 lb) | |
| Construction Features | Die-cast aluminum alloy, automatic glass defogging, wiper function, wide voltage stabilizing module | |
| Optional Features | Thermal imaging extension and vehicle shock absorbers | |

Dimensions — [mm]

