



Product description: Mini dual visible and thermal camera

Product name: SC MI series



Detection range 2,500 meters for human and up to 5,500 meters for vehicles, based on lens options

Features:

- Independent defogging defrosting module, solve the camera and lens fogging.
- High-quality heating parts are used in the camera housing, so that the whole housing can work together to form an effective anti-fog and defogging.
- PTZ adopts the integrated upper and lower structure so that the PTZ and infrared housing will not bump and dislocate.
- PTZ standard with the original regulator module, filter the vehicle transient current instability, so that PTZ remains stable.

Thermal Vision Supplement: PTZ adopts 75mm Thermal Camera multi-angle work together; the working life up to 30,000 hours, thermal vision is 100 – 3,000 meters for human detection and up to 6,000m for vehicles.

HD IP: PTZ support mainstream megapixel digital high-definition movement and HD SENSOR HD picture capture, compatible with mainstream HD platform and seamless docking, the maximum support 1080P output, support for dual-stream and high-definition capture, support IE browser.



Application:

- Police mobile law enforcement.
- Fire emergency command.
- Emergency command system.
- Road mobile patrol.
- Urban management law enforcement.
- Special vehicle mobile inspection.
- Security Surveillance.

Camera data:

| Product | | SCMI50 | | |
|----------------------|--------------------------------------|--|-------------------|---------------------|
| | | Object | Human (1.8*0.5 m) | Vehicle (2.3*2.3 m) |
| Monitoring Distance | | Detection Distance | 1,860 m | 4,509 m |
| | | Recognition Distance | 465 m | 1,127 m |
| | | Identification Distance | 232 m | 563 m |
| | | | | |
| Thermal Camera | Resolution (pixels) | 640x480 | | |
| | Spectral response | 8-14μm (Un-cooled LWIR micro-bolometer) | | |
| | Pixel Pitch | 12μm | | |
| | Thermal Sensitivity (NETD) of sensor | <50mK @f1.0, 30Hz, 300K | | |
| | Operating temp (Ambient temp) | -10°C to 60°C | | |
| | Video Output | Compressed video data, H.264, MPEG4, MJPG (ONVIF/POE supported) BNC connector(composite): NTSC 30Hz, PAL 25Hz HDMI: Selectable (50Hz or 60 Hz), HDMI: 480p, 576p, 720p, 1080i, -1080p selectable | | |
| | Ethernet | Giga Ethernet(10/100/1000Mbps) | | |
| | Lens | 50mm, 75mm Motorized focus | | |
| Visible Light Camera | Image Sensor | 1/3" Progressive CMOS | | |
| | Effective Pixels | 1920x1080 | | |
| | Optical Zoom | 4.6 -180mm | | |
| | Aperture | F1.6-F4.8 | | |
| | Angle of View | Horizontal: 60.08-2.08° (Wide-Tele), Vertical: 35.32°-1.18° | | |
| | Day / Night | IR-CUT, Auto, Color, B/W | | |
| | Zoom Speed | 3 Sec. (Optical, Wide ~Tele) | | |
| | | | | |



| | | |
|------------------|---------------------|--|
| Parameter | Definition | Main Bit stream: 50HZ:25fps (1920x1080, 1280x720) 60HZ:30fps (1920x1080, 1280x720) Sub-bit stream: 50HZ:25fps (720x576, 352x288) 60HZ:30fps (720x480, 352x288) |
| | Mini. Illumination | Color: 0.01Lux @ (F1.6, AGC ON), B/W: 0.005Lux @ (F1.6, AGC ON) |
| | Video Out | RJ45 |
| | Setting | Brightness, Contrast, Saturation, Sharpness, Chroma |
| | Function | Area Mask, WDR, Anti-flicker, Defogging, Mirroring, Aisle Mode, Rotation, BLC, HLC, Exposure Compensation, Defective Pixel Compensation, Power Loss Recovery, Distortion Correct, DIS, 3D Position |
| | ROI | 4 Areas |
| | Focus | Auto/Manual/One-time Focusing |
| | Exposure | Auto/Aperture/Shutter/Manual/Low luminance/High luminance |
| | Electronic Shutter | 1/25~1/100000 |
| | DNR | 2D / 3D |
| | WB | Auto/ Manual/ Sunshine/ Cloudy/ Dusk/ Sodium Lamp/ Fluorescent Lamp/ One-time Tracking/ Auto-tracking/ Locked |
| | WDR | Super WDR, Digital WDR, 0~100 |
| | Lens Initialization | Built-in |
| | Electronic Zoom | 16x |
| Signal System | PAL/NSTC | |

| | | |
|------------------|----------------------|---|
| Network | Storage | Support MicroSD 128G (Suggest class 10) |
| | Smart Alarm | Motion Detection, Camera Shaded, Network Disconnected, IP Conflict, HDD Error, HDD Full |
| | Protocols | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (IPv6 Optional) |
| | System Compatibility | ONVIF2.4, FV Private, Active Registration, CGI, Dahua, Hikvision |
| | Dual Bit Rate | 1080P/720P (Main), D1/CIF (Sub) |
| | Video Compression | H.265/H.264 |
| | Audio Compression | G.711A, G.711U, G.726, AAC |
| | Function | Password Protection, Heartbeat, Multiple User Access Control |
| Interface | Interface | 26pin FFC (Network Interface, RS485, RS233, CVBS, Alarm In/Out, Audio In/Out, USB, Power) |
| | Communication | RS232 (VISCA), RS485 (Pelco, FV) |



| | | |
|----------------|------------------------|-----------------------------|
| General | Temperature / Humidity | 10°C~+60°C <90% |
| | Power Supply | DC12V±10% |
| | Power Consumption | Static: 2.5W, Dynamic: 4.5W |
| | Dimension | 398 x 243.5 x 211.25 mm |

PT Drive function:

| | |
|---------------------------------------|--|
| Pan preset speed | 100°/s |
| Tilt preset speed | 60°/s |
| Pan control speed | 0°~60°/S |
| Tilt control speed | 0°~40°/S |
| Pan range | 360°endless rotation |
| Tilt range | +90° ~ -90° |
| Preset positions, Tracking | 256 positions 8 tracking |
| IR Distance | 2 groups lens, 100m night vision |
| Control Way | RS485, Built-in PELCO D/P 16 protocol, Baud Rate from 2400Bps to 19200Bps optional |
| Relative Humidity | Less than 90% |
| IP Grade | IP66 |
| Working Temperature | -35° ~ +55° |
| Impact resistance requirements | ≥4G |
| Wiper | Support |
| Installation | Variety of installation according to the environment |
| Weight | 7kg |



Measures and Diagram: (mm)

