

ZIP-TRM8894-X38



Specifications

Model	ZIP-TRM8894-X38				
General					
Camera					
Sensor	1/1.8", CMOS, 4 MP				
Lens	6–240mm, AF				
Digital zoom	16				
Optical zoom	40×				
DORI distance	Zoom (mm)	Detection (m)	Viewing (m)	Recognition (m)	Identification (m)
	6.0	97.6	39.1	19	09
	240.0	3481	1396	870	497
Viewing angle (H)	58.5°~ 2.1°				
Viewing angle (V)	35.0°~ 1.2°				
Viewing angle (O)	72.0°~ 2.5°				
Shutter	Auto/Manual, shutter time: 1~1/100000 s				
Minimum illumination	Color: 0.002 Lux (F1.2); B/W: 0.001 Lux				

Digital noise reduction	2D/3D DNR
S/N	>56dB
VF laser	up to 150m (492ft)
Anti-fog	Optical
WDR	120dB
Image stabilization	Supported (gyroscopic stabilization)
Fog penetration	Optical fog penetration
Thermal wave elimination	Supported
Thermal imager	
Sensor type	Vanadium Oxide Uncooled Focal Plane Arrays
Max. resolution	384*288
Video format	up to 1920×1080, max 25fps
Pixel size	17μm
Response wavelength range 8~14μm	8~14μm
NETD ≤40mk	≤40mk
Lens	50mm
Focus	Auto/Semiautomatic/Manual
Palette	Up to 20 additional color palettes, including: hot white, lava, red iron oxide, hot iron, medical, arctic, rainbow 1, rainbow 2, rainbow 3, hot image, hot ice, hot black, mazarine, fusion, red hot, green hot, color 1, color 2, rain
Minimum thermal imaging distance	30 m
Video	
Compression	H.265, H.264, MJPEG
Frame rate	Visible light channel: 2688*1520, 2560*1440, 1920*1080, 1280*720, 720*576, 640*360, 704*288, 352*288;
OSD	Thermal image channel: 1920*1080, 1280*960, 1280*720, 720*576, 640*512, 352*288;
	Additional stream:
	Visible light channel: 1920*1080, 1280*720, 720*576, 640*360, 704*288, 352*288;
	Thermal image channel: 1280*960, 1280*720, 720*576, 640*512, 352*288;

	up to 8 OSDs, maximum 60 characters per OSD line
	Visible light channel support: customizable OSD, OSD with date and time, turntable coordinates, preset positions, serial port OSD, network port OSD, time OSD, date OSD, scroll OSD, image OSD, hypersensitive content OSD, ambient volume OSD, device latitude and longitude OSD.
	Thermal image channel support: the above OSD, except for zoom and direction information.
Smart	
Fire detection	Supports smoke detection, can recognize smoke in the environment, implements separate or auxiliary thermal imaging detection of fire sources to trigger an alarm, improves accuracy
Hotspot detection	The thermal imaging channel supports hotspot detection in the surrounding environment and accompanies the alarm signal with a change in the visible light lens zoom, supports simultaneous detection of multiple hotspots (maximum 10 on one screen)
Automatic tracking	Supports automatic target tracking, implements automatic display of detailed target characteristics at long distances.
Normal events	Motion detection, overlap detection, sound detection, alarm input, alarm output
Patrol mode	Patrol by specified positions, patrol by trajectory, patrol with scanning
Audio	
Audio compression	G.711U, G.711A
Sampling frequency	16 KHZ
Storage	
Memory card	Micro SD, up to 512GB
Network storage	ANR, iSCSI
Data storage	Dual-channel direct recording of iSCSI data blocks
Buffered recording	Supports buffered recording to SD card when no network is available
Network	
Protocols	IPv6, L2TP, IPv4, ARP, TCP, UDP, PPPoE, DHCP, RTP, RTSP, DNS, DDNS, NTP, FTP, UPnP, HTTP, SNMP, 802.1X, SIP, HTTPS, RTCP, RTMP, IGMP, ICMP
Compatibility, integration	ONVIF, GB/T 28181, API
Web browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52

Pan and tilt	
Pan range	360° (endless)
Pan speed	0.1°/s ~ 180°/s
	Preset: 300°/s
Tilt range	-15° ~ 90°
Tilt speed	0.1° ~ 180°/s
	Preset: 240°/s
Number of presets	1024
Interface	
Audio I/O	Audio interface
	1 output: impedance 600Ω; amplitude 2V [p-p]
	1 output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	07\02
Serial port	1 RS485 (protection class 6000 V)
Network	RJ45, supports 10M/100M/1000M adaptive Ethernet port
Optical port	100M/1000M SFP single-mode optical port (FC), supports optical connection
General	
Power supply	DC24V ±15%, AC24V ±25%, DC48V ±25%
	Power consumption: max. 65W
Dimensions (Φ × H)	Φ270mm × 496.7mm (Φ10.6" × 19.6")
Weight	10.15kg (22.53lb)
Operating environment	-40°C ~ 70°C (-40°F ~ 158°F), relative humidity: ≤95% RH (non-condensing)
Storage environment	-40°C ~ 70°C (-40°F ~ 158°F), relative humidity: ≤95% RH (non-condensing)
Surge protection	Yes (6000V)
Protection	IP66