

ST-IP4PTZ-DL-25X

SecurityTronix Dual Lens 4MP 25X Zoom PTZ Camera

The SecurityTronix Dual Lens 4MP 25X Zoom PTZ Camera offers high-definition video surveillance with dual lens technology for enhanced coverage and detail. One lens provides a wide-angle view, while the other focuses on a specific area. With a powerful 25X optical zoom, this PTZ (Pan-Tilt-Zoom) camera delivers clear and precise images, even at a distance. The ability to zoom in on a subject without losing image quality is beneficial for identifying individuals or objects. Equipped with Chroma 24/7 color night vision, it ensures vibrant color images in low-light conditions.

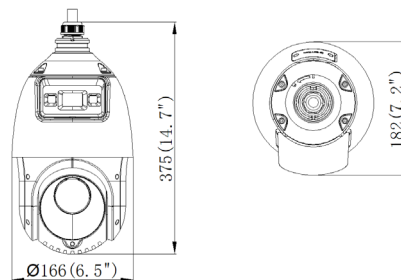
This advanced camera can track moving objects and includes a range of intelligent video analytics such as motion detection, video tampering alarms, and audio exception detection. It supports alarm input and output for integrated security systems. Additionally, it offers line crossing detection, intrusion detection, area entrance detection, and area exiting detection, providing comprehensive monitoring capabilities. The robust construction and weather-resistant design make it suitable for both indoor and outdoor use, ensuring reliable performance in various environments.

Key Features

- **Dual Lens System**
Features a wide-angle lens for broad area coverage and a zoom lens for capturing detailed close-ups.
- **Crystal-Clear Video**
Delivers high-definition 4MP resolution for sharp and detailed imaging.
- **25× Optical Zoom**
Ensures clarity even when zooming in on distant objects.
- **Advanced Imaging Technologies**
Supports WDR, HLC, BLC, 3D DNR, defog, regional exposure, and regional focus for optimized image quality in various conditions.
- **Color Night Vision**
Covers up to 100 meters with infrared and 30 meters with white light for enhanced visibility in low light.



Dimensions



- **Auto-Tracking**
Capable of tracking moving objects with assistance from the fixed wide-angle lens camera, but limited to the field of view covered by that lens.
- **Flexible Power Supply**
Compatible with both 12V DC and PoE+ for versatile installation options.
- **Smart Target Detection**
Leverages deep learning to accurately detect and classify human and vehicle targets.
- **Rugged Outdoor Design**
IP66-rated for reliable performance in both indoor and outdoor environments.
- **Integrated Security Features**
Includes alarm input/output for system integration.
- **Easy Installation**
Comes with a wall mount for straightforward setup.

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Camera		PTZ	
Image Sensor	[Bullet channel]: 1/3" Progressive Scan CMOS; [PTZ channel]: 1/2.8" progressive scan CMOS	Movement Range (Pan)	360°
Min. Illumination	[Bullet channel]: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light; [PTZ channel]: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR	Movement Range (Tilt)	-15° to 90° (auto flip)
Shutter Speed	1 s to 1/30,000 s	Pan Speed	Pan Speed: configurable from 0.1° to 80°/s; preset speed: 80°/s
Slow Shutter	yes	Tilt Speed	Tilt Speed: configurable from 0.1° to 80°/s, preset speed 80°/s
Focus	Semi-Auto, Manual, Auto	Proportional Zoom	Yes
Zoom	[PTZ channel] 25 × optical, 16 × digital	Presets	300
Day & Night	ICR	Patrol Scan	8 Patrols, up to 32 presets for each patrol
Day/Night Switch	Day, Night, Auto, Scheduled-Switch	Pattern Scan	4 pattern scans
White Balance	Auto, ATW, Sodium Lamp, Fluorescent Lamp, Indoor, Outdoor, MWB, Locked WB	Power-off Memory	Yes
Max. Resolution	[Bullet channel] 2560 × 1440, [PTZ channel] 2560 × 1440	Park Action	Preset, Pattern Scan, Patrol Scan, Auto Scan, Tilt Scan, Random Scan, Frame Scan, Panorama Scan
Lens		3D Positioning	Yes
Focal Length	[Bullet channel]: 2.8 mm; [PTZ channel]: 4.8 to 120 mm, 25 × optical	PTZ Status Display	Yes
Zoom Speed	[PTZ channel]: approx. 3.6 s	Preset Freezing	Yes
FOV	[Bullet channel]: Horizontal field of view: 96.1°, Vertical field of view: 52.1°, Diagonal field of view: 113.3°; [PTZ channel]: Horizontal field of view: 55° to 2.4° (wide-tele), Vertical field of view: 33° to 1.4° (wide-tele), Diagonal field of view: 61.5° to 2.8° (wide-tele)	Scheduled Task	Preset, Pattern Scan, Patrol Scan, Auto Scan, Tilt Scan, Random Scan, Frame Scan, Panorama Scan, Dome Reboot, Dome Adjust, Aux Output
Aperture	[Bullet channel]: F1.0; [PTZ channel]: F1.6	Exception Detection	IP address conflict, HDD full, illegal login, HDD Error, Network Disconnected, Abnormal Reboot
Illuminator		Network	
Supplement Light Type	[PTZ channel]: IR; [Bullet channel]: White Light	API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Smart Supplement Light	Yes	Network Storage	NAS (NFS, SMB/ CIFS), ANR
Supplement Light Range	[PTZ channel]: up to 100 m; [Bullet channel]: up to 98 FT (30 m)	Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSockets IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSockets
Audio		Simultaneous Live View	20
Audio Compression	G.711, G.722.1, G.726, MP2L2, PCM, AAC-LC	User/Host	32
Audio Bit Rate	32 to 160 Kbps (MP2L2), 16 to 64 Kbps (AAC-LC)	Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Audio Sampling Rate	8 kHz, 16 kHz, 32 kHz, 48 kHz	Client	STGO2 & Guarding Vision Desktop Client
Environment Noise Filtering	Yes	Web Browser	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Smart Features			
Smart Record	ANR, Dual-VCA		

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Video	
Region of Interest (ROI)	8 fixed regions for each stream
Stream Type	Main Stream, Sub-Stream, Third Stream
Main Stream	[Bullet channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) [PTZ channel]: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	[Bullet channel]: 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240) [PTZ channel]: 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	[Bullet channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) [PTZ channel]: 50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265,H.264,MJPEG
Video Bit Rate	32 kbps to 16384 kbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
H.264+	Yes
H.265+	Yes
SVC	Yes

Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot, support Micro SD/Micro SDHC/Micro SDXC, up to 256 GB
Alarm Input	1 Alarm Input
Alarm Output	1 Alarm Output
Audio Input	1 Audio Input, 2.0 to 2.4Vp-p, 1k Ohm±10%
Audio Output	1 Audio Output, Line Level, Impedance: 600 Ω

Event	
Basic Event	Motion Detection, Video Tampering Alarm, Alarm Input and Output, Exception
Smart Event	Audio Exception Detection, Line Crossing Detection, Intrusion Detection, Region Entrance Detection, Region Exiting Detection
Alarm Linkage	[Bullet channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, and trigger recording [PTZ channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)

Deep Learning Function	
Face Capture	[Bullet channel] No, [PTZ channel] Yes

General	
General Function	Mirror, Password Protection, Watermark, IP Address Filter
Power	12VDC, PoE+
Power Consumption and Current	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light
Operating Conditions	-22 to 149°F (-30 to 65°C), humidity lower than 90% RH
Reset	Yes
Demist	Demist by heating the glass
Material	ADC12
Dimensions	Ø 6.5″ × 14.7″(Ø 166 x 375 mm)
Weight	13.2 lbs. (2.4 kg)
Warranty	2-Year Limited Fixed Camera Warranty

Approval	
Protection	IP66 Standard, 6000 V Lightning Protection, Surge Protection and Voltage Transient Protection

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	7217.85 ft (2200.0 m)	2864.17 ft (873.0 m)	1443.57 ft (440.0 m)	721.78 ft (220.0 m)

Image	
Image Settings	Sharpness, Saturation, Brightness, Contrast
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Defog	Digital defog
Image Stabilization	EIS
Image Enhancement	BLC,HLC,3D DNR
Regional Focus	Yes
Regional Exposure	Yes
Image Parameters Switch	Yes
Privacy Mask	[Bullet channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks; mask color or mosaic configurable