ST-IP4FTD-2.8 | ST-IP4FTD

4 MP IP Fixed Lens Turret Dome Camera

Enhance your security setup with the SecurityTronix 4MP IP Turret Dome Camera, designed to deliver sharp, high-definition video and dependable performance in any environment. With a 2560 × 1440 resolution at 30fps, this camera captures clear, detailed footage, making it ideal for both residential and commercial surveillance.

The compact 3-axis turret design allows for flexible installation on walls or ceilings, while advanced features like intrusion detection and line-crossing alerts help you stay informed of critical activity. Equipped with EXIR infrared technology, it provides night vision coverage up to 98 feet, and Wide Dynamic Range (WDR) ensures balanced images even in challenging lighting conditions.

Built for durability, the IP67-rated weatherproof housing makes this camera suitable for indoor and outdoor use.

Key Features

- 4MP resolution (2560 × 1440 @ 30fps) for crisp video quality
- Fixed 2.8 or 4 mm lens for wide-area coverage
- H.265+/H.265/H.264+/H.264 compression for efficient storage
- Dual stream and sub-stream support for remote/mobile viewing
- EXIR infrared night vision up to 98 ft
- Wide Dynamic Range (WDR) for improved image clarity
- Smart detection: intrusion and line-crossing alerts
- Built-in microSD card slot (supports up to 128GB; card sold separately)
- 12VDC and PoE compatible (power supply sold separately)
- Flexible 3-axis turret design for easy installation
- IP67-rated weatherproof white housing for indoor/outdoor use

Available Accessories

Wall Mount
ST-WM2

Wall Mount
ST-WM2B

Junction Box
ST-JB2

Junction Box
STJB2B

ST GO 2
FREE APP
View from your phone or mobile device anytime, anywhere!
STGO2
Download on the App Store
GET IT ON Google Play

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Camera

Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
WDR (Wide Dynamic Range)	120 dB
Day & Night	ICR Cut
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°

Lens

Lens Type & FOV	2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122° 4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°
Aperture	F1.6
Lens Mount	M12

DORI

DORI	2.8 mm: D: 219 ft. (67 m), O: 85 ft. (26 m), R: 42 ft. (13 m), I: 19 ft.(6 m) 4 mm: D: 262 ft. (80 m), O: 101 ft. (31 m), R: 52 ft. (16 m), I: 26 ft. (8 m)

Illuminator

IR Range	up to 98 ft. (30m)
Wavelength	850nm

Video

Max. Resolution	2688 × 1520
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main Stream supports
H.265+	Main Stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	CBR/VBR
Region of Interest (ROI)	1 fixed region for main stream and sub-stream

Network

Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, WebSocket, WebSockets
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS(NFS, SMB/CIFS), auto network replenishment (ANR)
Client	Guarding Vision STGO2
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+

Image

Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser

Interface

Built-in Microphone	No
On-board Storage	Built-in micro SD, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port

Event

Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Face Detection	Yes

Deep Learning Function

Perimeter Protection	Line crossing detection, intrusion detection Supports human and vehicle targets classification

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General	
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture, Email
General Function	Anti-flicker, heartbeat, password reset via e-mail, pixel counter
Software Reset	Yes
Storage Conditions	-22 °F to 140 °F (-30 °C to 60 °C), humidity: 95% or less (non-condensing)
Startup and Operating Conditions	-22 °F to 140 °F (-30 °C to 60 °C), humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.19 A to 0.12 A, max. 7 W
Power Interface	Ø5.5 mm coaxial power plug
Material	Aluminum alloy body
Dimensions	Camera: Ø5.01" × 3.78" (Ø127.3 × 95.9 mm) With package: 5.9" × 5.9" × 5.6" (150 × 150 × 141 mm)
Weight	Camera: 1.3 lb. (600 g) With package: 1.8 lb. (816 g)
Warranty	2-Year Limited Fixed Camera Warranty

Approvals	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013)