ST-IP4FD-2.8 | ST-IP4FD-2.8-BLK | ST-IP4FD | ST-IP4FD-BLK | ST-IP4FD-6 | ST-IP4FD-8

4MP IP Fixed Lens Dome Camera

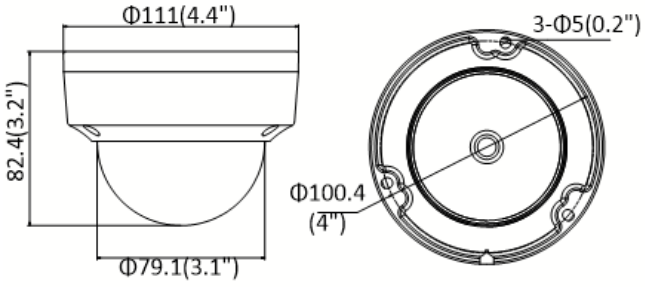
The SecurityTronix 4MP IP Fixed Lens Dome Camera offers high-definition video with a 4MP resolution and built-in infrared LEDs, providing clear, reliable footage even in complete darkness. Designed with a sleek, dome-style housing, it blends seamlessly into a variety of settings while offering superior protection. With an IK10 rating for vandal resistance, the camera can withstand impacts of up to 20 joules, making it highly durable against tampering or external damage.

This versatile camera is perfect for both commercial and residential use, whether indoors or outdoors. It connects via Power over Ethernet (PoE), simplifying installation by eliminating the need for a separate power cable. Alternatively, it can also be powered using a 12V DC supply for more flexible setups.

Key Features

- **1/3” Progressive Scan CMOS Sensor**
- **4MP Resolution (2560 x 1440) at 30fps**
- **Lens Options:** 2.8mm, 4mm, 6mm, 8mm fixed lens
- **Corridor Mode (Available in 6mm & 8mm lenses):** Rotates the camera 90 degrees to enhance vertical coverage, ideal for monitoring hallways or narrow corridors, where objects appear larger and more detailed.
- **Three Simultaneous Video Streams**
- **Advanced Features:** Line crossing, intrusion, and face detection
- **Durability:** IP67 weatherproof, IK10 vandal-resistant
- **Storage:** Built-in microSD/SDHC/SDXC slot (supports up to 128GB)
- **Mounting Flexibility:** 3-axis adjustment

Dimensions

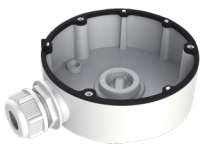


General	
Operating Conditions	-22 - +140 °F (-30 - +60 °C) Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Φ 0.21” (Φ 5.5 mm) coaxial power plug. PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5A, max. 6W PoE (802.3af, 37V to 57V), 0.2A to 0.1A, max. 7.5W
Protection Level	IP67, IK10, TVS 2000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Metal
Dimensions	Φ 4.4” × 3.2” (Φ 111 × 82.4 mm)
Weight	1.3 lb. (610 g)
Warranty	2-Year Limited Fixed Camera Warranty

Available Accessories

Wall Mount Bracket
ST-WM1

Wall Mount Bracket
ST-WM1B



Junction Box
ST-JB1

STGO2
FREE APP
View from your phone or mobile device anytime, anywhere!
STGO2
App Store
Google Play

ST-IP4FD-2.8 | ST-IP4FD-2.8-BLK | ST-IP4FD | ST-IP4FD-BLK | ST-IP4FD-6 | ST-IP4FD-8 4MP IP Fixed Lens Dome Camera Camera

Camera

Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°

Lens

Focal length	2.8/4/6/8 mm
Aperture	F1.6
Focus	Manual
FOV	2.8 mm: horizontal FOV: 98°, vertical FOV: 55°, diagonal FOV: 114° 4 mm: horizontal FOV: 78°, vertical FOV: 42°, diagonal FOV: 93° 6 mm: horizontal FOV: 48°, vertical FOV: 27°, diagonal FOV: 54° 8 mm: horizontal FOV: 37°, vertical FOV: 21°, diagonal FOV: 44°
Lens Mount	M12

IR

IR Range	Up to 30 m
Wavelength	850nm

Compression Standard

Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Main Profile/High Profile
H.264+	Main stream and sub-stream support
H.265 Type	Main Profile
H.265+	Main stream and sub-stream support
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression (-S)	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps (G.711)/16Kbps (G.722.1)/16Kbps (G.726)/32-192Kbps (MP2L2)

Smart Features

Behavior Analysis	Line crossing detection, intrusion detection
Face Detection	Yes
Region of Interest	1 fixed region for main stream and sub-stream

Image

Max. Resolution	2560 × 1440
Main Stream	50Hz:25fps (2560 × 1440, 2304 × 1296, 1920 × 1080) 60Hz: 30fps (2560 × 1440, 2304 × 1296, 1920 × 1080)
Sub-Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
Target Cropping	No
Day/Night Switch	Auto/Schedule/Triggered by alarm in (-S)

Network

Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Firmware Version	V5.5.2
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
Client	STGO2 & Guarding Vision Desktop Client
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+

Interface

Audio (-S)	1 input (line in/mic.in), 1 output (line out), terminal block, mono sound
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Alarm (-S)	1 input, 1 output (up to 12 VDC, 30 mA), terminal block
Video Output	No
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes

Audio

Environment Noise Filtering	Yes
Audio Sampling Rate	16 kHz/32 kHz/44.1 kHz/48 kHz