

ST-GIP4FTD-CNV-AI-2.8 | ST-GIP4FTD-CNV-AI

4MP IP Turret Dome Camera with Chroma Color AI Night Vision



Model ST-GIP4FTD-CNV-AI*, is a high-definition Turret Dome camera designed to deliver vibrant, full-color imagery—even in low light conditions. Equipped with a 4MP sensor and a 2.8mm or 4mm lens, this camera captures every detail with precision. The Chroma AI-powered night vision technology ensures exceptional color fidelity, enabling superior identification of people and objects, day or night.

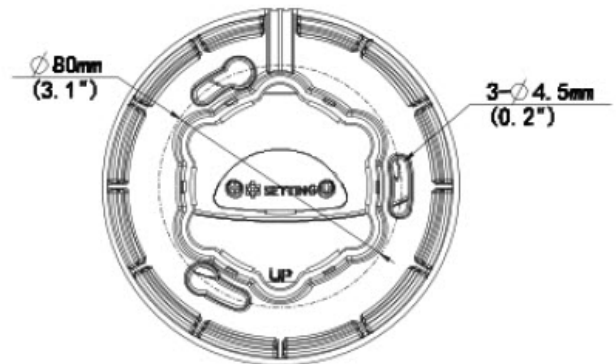
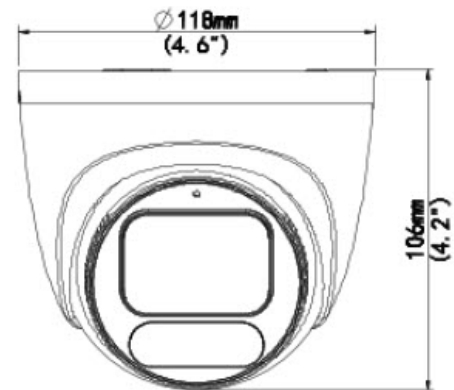
This advanced surveillance solution meets NDAA standards, ensuring compliance for government and commercial use. The ST-GIP4FTD-CNV-AI* integrates seamlessly into any security setup and offers robust, weather-resistant construction for reliable outdoor performance.

Key Features

- 4MP High-Definition Sensor
- Chroma AI Night Vision
- Wide 2.8mm or 4mm Lens
- Support 9:16 Corridor Mode
- Built-in Mic
- IP67 protection
- NDAA Compliant: Meets National Defense Authorization Act standards, ensuring secure deployment in restricted sectors.



Dimensions



Available Accessories



Junction Box
ST-GJB03-I

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Camera	
Resolution	4MP
Sensor	1/1.8"CMOS
Min. Illumination	Colour: 0.0003 lux (F1.0, AGC ON)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 75°, Rotate: 0° ~ 360°
S/N	>52dB
WDR	120dB

Lens	
Lens Type	2.8mm, 4.0 mm
Iris Type	Fixed
Iris	F1.0
Field of View (H)	2.8mm - 110.4°, 4.0mm - 89.4°
Field of View (V)	2.8mm - 60.5°, 4.0mm - 48.2°
Field of View (D)	2.8mm - 115.2°, 4.0mm - 94.7°

DORI	
DORI Distance (Lens)	2.8mm, 4.0 mm
DORI Distance (Detect)	2.8mm - 142.5 ft (43.4m), 4.0mm - 203 ft (62.1m)
DORI Distance (Observe)	2.8mm - 57.0 ft (17.4m), 4.0mm - 81.5 ft (24.8m)
DORI Distance (Recognize)	2.8mm - 28.5 ft (8.7m), 4.0mm - 40.7 ft (12.4m)
DORI Distance (Identify)	2.8mm - 14.3 ft (4.3m), 4.0mm - 20.4 ft (6.2m)

Illuminator	
Illumination Distance (Warm Light)	30m
Light On/Off Control	Auto/Manual

Video	
Video Compression	Ultra 265, H.265, H.264, MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 4MP (2688 x 1520), Max 25fps; 4MP (2560 x 1440), Max 25fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080), Max 30fps; Sub Stream: 720P (1280 x 720), Max 30fps; D1 (720 x 576), Max 30fps; (640 x 360), Max 30fps;
Video Bit Rate	128 Kbps - 6144Kbps
U-code	Supported
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Dual streams

Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital Noise Reduction	2D/3D DNR
Smart Illumination	Supported
Flip	Normal/Vertical/Horizontal/180°/90°Clockwise/90°Anti-clockwise
Dewarping	N/A
HLC	Supported
BLC	Supported
Defog	Digital Defog

Event	
Behavior Detection	Motion detection; Ultra motion detection; Tampering alarm; Audio detection; Cross line (based on human body detection); Intrusion (based on human body detection)
General Function	Watermark; IP Address Filtering; Access Policy; ARP Protection; RTSP Authentication; User Authentication; HTTP Authentication

Audio	
Audio Compression	G.711U; G.711A
Audio Bitrate	64 Kbps
Two-way audio	N/A
Suppression	Supported
Sampling Rate	8KHZ

Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)

Network	
Protocols	IPv4; IPv6; IGMP; ICMP; ARP; TCP; UDP; DHCP; PPPoE; RTP; RTSP; RTCP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; SMTP; 802.1x; SNMP; QoS; RTMP; SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 2 user levels: administrator and common user
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	ST-Station, Guard Station, STVU, Guard Viewer, Star4Live
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above

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Interface	
Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	Supported
Built-in Speaker	N/A
WIFI	N/A
Network	1 RJ45 10M/100M Base-TX Ethernet
Video Output	N/A

Certifications	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035) FCC (FCC 47 CFR part15 B)
Safety	CE LVD (EN 62368-1) UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP67 (IEC 60529)

General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
	Power consumption: Max 2.8W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (L × W × H)	Ø4.6" x 4.2" (Φ118 x 106 mm)
Net Weight	1.06 lb (0.48kg)
Material	Metal & Plastic
Working Environment	-22 - 140°F (-30 - 60°C), Humidity: ≤95% RH (non-condensing)
Storage Environment	-22 - 140°F (-30 - 60°C), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Reset Button	Supported
Web Client Language	13 Languages English, Simplified Chinese, Polish, German, Russian, French, Korean, Dutch, Czech, Portuguese, Spanish, Spanish (Europe), Italian
Warranty	2-Year Limited Warranty