



ST-IP8PVT-CNV-4

8 MP True WDR 24/7 Color Panoramic Turret Dome Camera

The SecurityTronix Chroma surveillance camera series offers color night vision capabilities, capturing color images even in low-light or no-light conditions. With its dual lens system, it simultaneously records two views for comprehensive day and night monitoring. This versatile camera enhances flexibility, reduces blind spots, and improves security to ensure the safety and protection of your property.

Key Features

- 8 MP
- Max. Resolution 5120 × 1440
- 24/7 Full Time Color
- Fixed focal lens, Dual lens: 4 mm
- H.265+
- 130dB WDR
- Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
- Smart Analytics
- Strobe Light With Audible Alarm
- Built In Mic and Speaker



Camera	
Image Sensor	2 × 1/1.8" Progressive Scan CMOS
Max. Resolution	5120 × 1440
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter Speed	1/3 s to 1/100,000 s
Angle Adjustment	Pan: -30° to 30°, tilt: -75° to 75°

Lens	
Lens Type	Fixed focal lens, Dual lens: 4 mm
Focal Length & FOV	4 mm, horizontal FOV: 180°, vertical FOV: 44°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	11.81 FT - ∞ (3.6 m - ∞)

Approval	
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

DORI	
DORI	4 mm, D : 252.6 Ft. (77 m), O : 98.4 Ft. (30 m), R : 49.2 Ft. (15 m), I : 22.9 Ft. (7 m)

Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Up to 98.4 Ft. (30 m)
Smart Supplement Light	Yes

Video	
Main Stream	When WDR is On: 50 Hz: 12.5 fps (5120 × 1440), 60 Hz: 15 fps (5120 × 1440) When WDR is Off: 50 Hz: 20 fps (5120 × 1440) , 60 Hz: 20 fps (5120 × 1440)
Sub-Stream	When WDR is On: 50 Hz: 12.5 fps (1920 × 536, 960 × 272) 60 Hz: 15 fps (1920 × 536, 960 × 272) When WDR is Off: 50 Hz: 20 fps (1920 × 536, 960 × 272) 60 Hz: 20 fps (1920 × 536, 960 × 272)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream

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Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes

Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), NVR, Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	STGO2, Guarding Vision Desktop Client
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+

Image	
Image Parameters Switch	Yes
Image Settings	saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	4 programmable polygon privacy masks

Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting. Support alarm triggering by specified target types (human and vehicle)

Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes
Built-in Speaker	Max. power consumption: 1.2 W, max. sound pressure: 10 cm: 95 dB
Audio	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 24 VDC, 1 A)
Reset Key	Yes

Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), alarm input and output, flashing alarm light output, audible alarm output, exception, Scene change detection
Smart Event	Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection

General	
Power	12 VDC ± 25%, 0.88 A, max. 10.5 W, Ø5.5 mm coaxial power plug, PoE: IEEE 802.3af, Class 3, 36 V to 57 V, 0.35 A to 0.22 A, max. 12.5 W
Material	Base: metal, cover: metal
Dimension	Ø6.1 × 6.1" (Ø155 × 155.3 mm)
Package Dimension	9 × 9 × 9" (230 × 230 × 230 mm)
Weight	Approx. 2.4 lb. (1110 g)
Startup/Operating/Storage Conditions	-22 to 140 °F (-30 to 60 °C). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-banding, heartbeat, password reset via email, password protection, one-key reset
Flashing Light	Yes
Warranty	2-Year Limited Fixed Camera Warranty