

VT-TPTZ25HAN-8PL

High-Speed 8 MegaPixel (4K) PTZ with 25x Optical Zoom and Programmable PLUS Analytics & Auto Tracking



KEY FEATURES

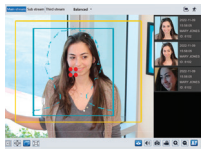
- 8 MegaPixel (4K) Sony STARVIS® Progressive Scan CMOS delivers ultra-sharp video at up to 30fps with exceptional low-light performance
- 4.8–120mm Motorized Lens with powerful 25x Optical Zoom provides precise long-range coverage and detail capture
- Starlight Technology enhances color performance in extremely low-light environments
- Smart IR Illumination up to 492' (150m) ensures reliable nighttime surveillance
- High-Speed PTZ Operation with 360° Endless Pan and smooth proportional zoom enables responsive, accurate positioning
- Real-Time Auto Zoom Tracking powered by A.I. automatically locks onto and tracks human or vehicle targets
- Programmable PLUS Analytics: Face AI (Detection, Recognition, and Comparison), Human/Vehicle Classification, Tripwire (Bi-Directional), Intrusion Detection, and Region Entrance/Exit Detection.
- True 120dB WDR and Advanced Image Controls deliver clear, balanced images in challenging lighting environments
- 360 Presets, 8 Cruises (up to 16 Presets per Cruise), and 4 Recording Tracks provide advanced PTZ automation and patrol functionality
- Built-in microSD Recording up to 256GB for onboard video storage
- 1 Audio Input / 1 Audio Output and 1 Alarm Input / 1 Alarm Output support event-triggered integrations**
- ONVIF G, S, T Compliant for seamless integration with a Variety of Platforms
- IP66 Weatherproof and IK10 Impact-Resistant Housing designed for demanding outdoor installations
- Flexible Power Options – 12VDC (Power Supply Included) or PoE+ (802.3at)
- NDAA Compliant



HIGH-SPEED SMART PTZ WITH PROGRAMMABLE PLUS ANALYTICS

The VITEK VT-TPTZ25HAN-8PL Transcendent IP PTZ Camera delivers 8 MegaPixel (4K) resolution with powerful long-range performance, featuring a 25x motorized optical zoom lens and high-speed PTZ operation for precise coverage of large areas. Powered by Transcendent Programmable PLUS Analytics and A.I.-driven Real-Time Auto Zoom Tracking, the camera intelligently detects and tracks human or vehicle targets in real time. Designed for demanding outdoor environments, the VT-TPTZ25HAN-8PL combines Smart IR illumination up to 492' (150m), rugged IP66/IK10 protection, flexible power options, and onboard edge storage to provide a reliable, professional-grade surveillance solution for commercial and industrial applications.

TRANSCENDENT PROGRAMMABLE+ ANALYTICS DELIVERS ADVANCED A.I. TECHNOLOGY:



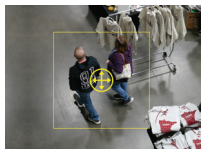
AI FACIAL RECOGNITION
Face AI delivers face Detection, Recognition, and Comparison



TARGET COUNTING
People, Vehicles, and Motor/Bicycles



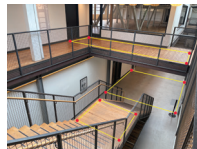
LINE CROSSING
Track People/Vehicles as Entering or Exiting Designated Areas



AUTO-ZOOM TRACKING
AI-powered hands-free tracking for dynamic real-time surveillance



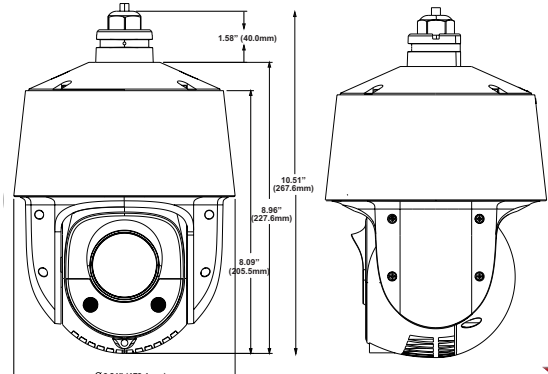
OBJECT TRACKING
Track Objects Removed or Abandoned in Secure Areas



AREA TRACKING
Fully Programmable Regional Intrusion Detection



DIMENSIONS



*SONY™ is an independent and wholly owned corporation and has not tested or verified this product.

**Please research local, state and federal laws regarding the implementation of audio surveillance

An Eye On Innovation

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SPECIFICATIONS

Image Sensor	1/2.8" Sony STARVIS [®] STARLIGHT Progressive Scan CMOS Sensor
Resolution	8.0 MegaPixel (3840 × 2160) Resolution @ 30fps
Min. Illumination	Color: 0.01 Lux @ (F1.65 AGC On) B/W: 0.002 Lux @ (F1.65 AGC On), 0 Lux w/IR
Image Setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, (Adjusted by Client)
Shutter Speed	1/30s~1/30,000s
White Balance	Auto / Manual / Indoor / Outdoor
Day / Night	Auto / Manual + Schedule
Gain Control	Auto / Manual
Iris Control	Auto / Manual
SNR	≥52dB
DNR	XD-DNR (3D-DNR / 2D-DNR) - Auto/Manual
WDR	True WDR (120dB)
IR Type / Distance	Smart IR - Up to 492' IR Range (150M)
Smart IR	Yes
Image Enhancement	Backlight Compensation (BLC), Highlight Compensation (HLC)
Privacy Mask	4 areas, up to 8 mask per request
Overlay Features	Picture: Custom Logo on video [128x128px], 24bit BMP, OSD: Max 15 Character / Line, 8 Lines, White or Red Font
Lens / Focal Length	4.8~120mm Lens (25x Optical Zoom) w/3.6s Zoom Speed, and Digital Zoom
Zoom Speed	Approx. 3.6s (Optical Zoom, Wide Tele)
Field of View (FOV)	Horizontal: 57.6° ~2.4° ; Vertical: 33.4° ~ 1.4°; Diagonal: 64.5° ~ 2.9° (wide-tele) ±5%
Working Distance	Wide: 1.0m ~ INF, Tele: 1.5m ~ INF
Aperture Range	F1.65 ~ F3.8 (wide-tele)
Iris Type	DC-IRIS(Hall sensor, 16 Stops), F1.65 ~ F3.8 (wide-tele)
IR Cut type	Removable IR Cut filter
D.O.R.I. (US)	Detect (8px/ft): 8930', Observe (19px/ft): 3543', Recognize (38px/ft): 1772', Identify (76px/ft): 886'
Pan Range / Speed	360° Endless, Configurable from .1°/s ~ 200°/s; Preset speed: 240°/s
Tilt Range / Speed	-10°~90° [Auto-Flip] / Configurable, from 0.1/s~200°/s, Preset speed: 240°/s
PTZ Features	Proportional Zoom, Pwr-Off Memory, 3D Position, PTZ Position Display
Preset / Cruise	360 / 8 Cruises, Up to 16 Presets for Each Cruise
Tracks	4 Tracks, Record Time Over 3 Minutes for Each Track
Scheduled Tasks	Preset / Cruise / Track / Random Scan / Boundary Scanning / Dome Reboot
Max Resolution	3840 × 2160
Main Stream	60Hz: 30fps:3840 × 2160,2560 × 1440,1920 × 1080,1280 × 960,1280 × 720

SPECIFICATIONS (Continued)

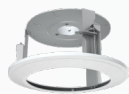
Sub Stream	60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
Compression Standards	H.265: HEVC Codec MP, Level 5.0, H.264: AVC codec BP/MP/HP, Level 5.1
Video Bit Rate	64Kbps to 16Mbps
Audio Compression / Bit Rate	G.711A/U / 64Kbps
Smart Auto Tracking	Auto Tracking (supports tracking specified target types such as human and vehicle), Manual Tracking
Basic Event Detection	Motion detection, Video Tampering, Exception (Network Disconnected, IP Address Conflict, SD Card Full / Error)
Smart Event Detection	Trip Wire (+ Bi-Directional), Intrusion / Line Crossing / Region Entering + Exiting, Support Alarm Triggering by Specified Target Types (Human / Vehicle), Un-attended Baggage, Object Removal, Auto / Manual Smart Tracking
Programmable Analytics PLUS	Face Detection (15 Faces Simultaneously), Detect, Track, Capture + Vehicle / Non Vehicle Detection & Tracking
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE
Audio Interface	1 Audio Input (MIC in), 1 Audio Output, Line Level, Impedance, 600Ω
Alarm Interface	1 Alarm Input (Dry Contact); 1 Alarm Output
Alarm Linkage	Alarm Actions, Including Preset, Cruise, Track, Memory Card Video Record, Trigger Recording, Upload to FTP/Memory, Card, Send Email
Live View Connections	Up to 6 Simultaneous Live View Connections
User/Host	Up to 16 users, 3 levels: Administrator, Advanced and Normal Users
Security Measures	User Authentication (ID and PW), Host authentication (MAC address); HTTPS encryption., IEEE802.1x port-based net account control; IP address filtering
Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free
API	ONVIF G, S, T Compliant, Third-Party Integration
CVBS (BNC), RS485	NA
On-Board Storage	Built-in microSD/SDHC/SDXC card slot, up to 256GB
Network Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE+ 802.3.at)
Thermal / Weather Management	Internal Heater and Fan + Quick Spin Water Removal
Reset Button	YES
Working Environment	-40°F~140°F (-40°C~60°C), 90% RH [STORAGE CONDITIONS: -40°F~158°F (-40°C~70°C), 95% RH]
Cold Start	-22F / - 30°C (30 Minutes Waiting Time), 90% RH
Weather / Impact / Protection	IP66 + IK10 (Excl. Glass Window), 6000V (Lightning, Surge, and Voltage Transient Protection)
Power (Power Supply Included)	12VDC @ 3amps (3000mA), PoE+ (24W with IR on, PTZ)
Dimensions (W x H)	6.81" × 10.51" (173mm × 268mm)
Weight	NET: 4.85lb / SHIPPING: 7.50lb

*Please research local, state and federal laws regarding the implementation of audio surveillance

VT-TPTZ25HAN-8PL



OPTIONAL MOUNTS & ACCESSORIES



VT-TPT20HR-FM
Semi-flush Mount for
VT-TPTZ25HRAN-4PNL



VT-TPT25HR-WMG
Optional Universal Gasket
Wall Mount for
Transcendent IP PTZs



VT-TPT20HR-PM
Optional Ceiling/
Pedestal Mount for
Transcendent
IP PTZs, including
VT-TPTZ25HRAN-
4PNL



VT-TPLMT-W
Transcendent
Universal Pole
Mount Adapter - White
(reqs.
VT-TPT25HR-WMG)



VT-TCNMT-W
Transcendent
Universal Corner
Mount Adapter - White
(reqs.
VT-TPT25HR-WMG)

VT-TWM36
Optional 3' (1M) Extended Wall
Mount - White



VT-TPLM36
Optional 3' (1M) Extended Pole
Mount Bracket - White



VT-TCNM36
Optional 3' (1M) Extended Corner
Mount Bracket - White



OPTIONAL POE INJECTORS:

VT-POE60

60 Watt POE Mid-Span Injector, 4-Pair Compliant

VT-POE95

95 Watt POE Mid-Span Injector, 4-Pair Compliant



INCLUDED POWER SUPPLY

12VDC 3amp Power Supply



VT-TPPMT

Parapet Mount for Transcendent
IP PTZ Cameras



**Pair With Transcendent IP NVRs, HDA
DVRs, Bridge or Spire Series Recorders!**

*Pair with one of several VITEK Transcendent
Series Network or Digital Recorders offering
a Myriad of Advanced Analytic Functions and
Applications! See www.vitekccv.com for
More!*

BREAKDOWN OF MODEL NUMBERS: EXAMPLE: VT-TPTZ25HAN-8PL

[VT]	[T]	[PTZ]	[25]	[H]	[A]	[N]	[8]	[P]	[L]
VITEK	TRANSCENDENT	Pan Tilt Zoom	25X Optical Zoom	High Speed	Auto Zoom Tracking	NDAA Compliant	8 MegaPixel	POE	Light