

VTD-TND8WFCS-2

Transcendent 8MP (4K) Opti-Color Supreme Dome Network Camera with GEN IV Analytics and Knight Guard

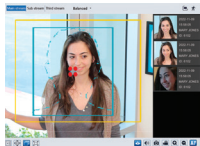


KEY FEATURES

- 1/1.8" 8 MegaPixel CMOS Progressive Scan Sensor
- Up to 30fps live view @ 8MP (3840 × 2160)
- 2.8mm Fixed Lens with F1.0 Aperture for ultra-low light sensitivity
- Opti-Color Technology delivers unparalleled full-color night vision, capturing vivid, high-quality images in ultra-low light conditions—transforming nighttime security with clarity never before achieved
- Knight Guard White Light Illumination up to 100' for deterrence and full-color performance at night
- True WDR (120dB), 3D-DNR, BLC, and HLC to overcome extreme lighting challenges
- GEN IV Analytics: Line Crossing, Intrusion, Region Entrance/Exit, Target Counting, Face Detection, Object Left/Removed, Illegal Parking, Loitering & More
- Video Metadata: Captures/classifies human, vehicle, and non-motor vehicle attributes for advanced forensic search
- Built-in Microphone plus Audio Input/Output for situational awareness
- Edge Storage with microSD Card Support up to 1TB
- Rugged Dome Housing with IP67 Weather Resistance and IK10 Vandal Protection
- Power Options: 12VDC or PoE (IEEE 802.3af), <6W
- NDAA Compliant

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

TRANSCENDENT GEN IV ANALYTICS!



AI FACIAL RECOGNITION
Face Detection with Face Database



TARGET COUNTING
People, Vehicles, and Motor/Bicycles by Line



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

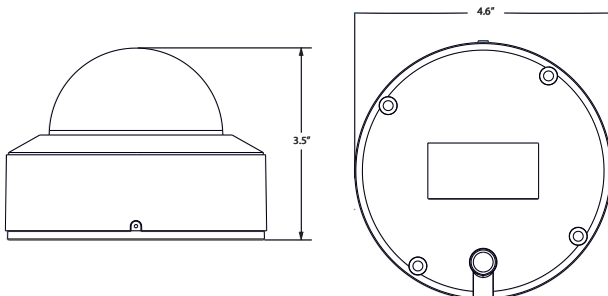


OBJECT TRACKING
Track Objects Removed or Abandoned in Secure Areas



AREA TRACKING
Fully Programmable Regional Intrusion Detection

DIMENSIONS



TRANSCENDENT SERIES



FULL COLOR AT NIGHT



BUILT-IN MICROPHONE



4K 8 MEGAPIXEL



FACIAL DETECTION



FIXED LENS



GEN IV ANALYTICS

OPTI-COLOR

INTELLIGENT ANALYTICS
GEN IV

KNIGHT GUARD

8MP (4K) OPTI-COLOR DOME WITH KNIGHT GUARD FULL-COLOR NIGHT VISION

The VITEK Transcendent VTD-TND8WFCS-2 Opti-Color Dome Camera delivers Ultra HD 8MP full-color video performance in a vandal-resistant dome design. With Opti-Color imaging and Knight Guard White Light full-color at night, this camera ensures brilliant full-color visibility even in near-total darkness. Featuring GEN IV Analytics with Video Metadata, it provides intelligent event detection, classification, and forensic search capabilities to streamline investigations and reduce false alarms. Its built-in audio, IP67 and IK10 protection, flexible PoE installation, and up to 1TB edge storage make it a versatile and powerful solution for demanding security environments.

RELATED PRODUCTS AND ACCESSORIES!

VT-TJB03A

Optional Junction box for Cable Management

VT-TCNMT

Universal Corner Mount Adapter - reqs. Junction Box or Wall Mount

VT-TPLMT

Universal Pole Mount Adapter - reqs. Junction Box or Wall Mount

VT-TFMT-S

Optional In Ceiling / Flush Mount



VT-TWM04X

Wall Mount for Transcendent Fixed Dome Camera

VT-TPDM-1

Pendant Mount for Transcendent Fixed Dome - reqs. VT-TJB03A

VT-TWMT-3

Wall Mount for Fixed Dome Camera



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VTD-TND8WFCS-2



SPECIFICATIONS

Image Sensor	1/1.8" CMOS Progressive Scan
Max. Resolution	3840 × 2160 (8MP)
Electronic Shutter	Auto/Manual, 1/3s ~ 1/100,000s
Iris Type	Fixed
Min. Illumination	0.0005 lux @F1.0 (AGC ON); 0 lux with Knight Guard White Light
S/N Ratio	≥50dB
Lens	2.8mm Fixed Lens, F1.0 (H:112° / V:61° / D:132°)
DORI (2.8mm)	Detect 170ft / Observe 68ft / Recognize 33ft / Identify 17ft
Angle Adjustment	Pan: 0–355°, Tilt: 0–70°, Rotation: 0–180°
WDR	120dB
BLC / HLC / Defog	Yes
DNR / EIS / ROI	3D DNR
EIS	Yes
ROI	Configurable Per Region
Image Settings	Brightness, Contrast, Saturation, Hue, Sharpness, Flip, Mirror, NR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
H.264 Profiles	Baseline / Main / High
Resolutions	8MP, 4MP, 2K, 1080P, 720P, D1, VGA, 640×360, CIF, 480×240
Frame Rate	Up to 30fps @ 8MP
Bitrate	32 Kbps ~ 16 Mbps; VBR / CBR
Protocols	ONVIF, UDP, IPv4/IPv6, DHCP, NTP, RTSP, RTP, RTMP, FTP, DDNS, SMTP, SNMP, HTTP/HTTPS, UPnP, P2P, QoS, 802.1x
Connections	Up to 10 users simultaneous monitoring
Storage	microSD up to 1TB; Network remote storage; ANR
Interfaces	RJ-45 (10/100 Base-T), 1ch Audio In/Out, Built-in Mic
Events	GEN IV Analytics: Line Crossing, Intrusion, Region Entrance/Exit, Target Counting, Face Detection, Object Left/Removed, Illegal Parking, Loitering & More
Video Metadata	Captures and classifies human, vehicle, and non-motor vehicle attributes for forensic search
White Light Range	Up to 100' Knight Guard White Light
Ingress Protection	IP67 & IK10
Power Supply	DC12V / PoE (IEEE802.3af), <6W
Operating Conditions	-22°F ~ 140°F, RH <95%
Mounting	Ceiling / Wall
Certifications	CE, FCC, RoHS, WEEE, REACH
Weight	1.54 lb (0.70kg)
Dimensions	4.7 × 3.5 in (119 × 87.8 mm)

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