VTC-TNT8FADW-2

Transcendent Series 8 MegaPixel (4K) Indoor / Outdoor WDR
Knight Guard + Active Deterrence Fixed IP Turret Camera

VITEK
INDUSTRIAL VIDEO PRODUCTS, INC.

KEY FEATURES

- 1/1.8" 8.0 MegaPixel (4K) CMOS Image Sensor
- Up to 30fps live view @ 8 MegaPixel (4K) (3840 × 2160)
- 2.8mm Fixed Iris Lens
- Knight Guard White Light Illumination for deterrence and full-color night vision
- Active Deterrence: Alternate Flashing Red + Blue Warning Lights & User-Defined Warning / Command Voice Import
- White Light or Matrix IR / Up to 130'
- True Wide Dynamic Range (120dB)
- Triple Streaming: H.265+, H.264+ & MJPEG Compression
- XD-DNR (3D & 2D-DNR) Noise Reduction
- Backlight / Highlight Compensation, DeFog, Hardware Reset, ROI
- Gen. IV Advanced Analytics: Regional Entrance / Exit Detection, Line Crossing,Target Counting (All by Human / Motor Vehicle Classification) Face Detection, Heat Map, Video Blur, Color Detection, Abnormal Video, and more!
- 1 Ch. Audio In + 1 Ch. Audio Out + Built-in Mic + Built-in Speaker*
- 1 Ch. Alarm In + 1 Ch. Alarm Out
- Built-in MicroSD Card Slot for Local Recording (up to 256GB)
- Smart Alarm: Motion Detection, Sensor Alarm, SD Card Error / Full, IP Address Conflict, Cable Connection
- IP66 Weather Resistance
- Optional Junction Boxes, Wall Mounts, Pendant Mounts, Pole Mounts, and Corner Mounts Available [See Page 3]
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty

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



KNIGHT GUARD
FACE DETECTION
ACTIVE DETERRENCE
INTELLIGENT ANALYTICS GEN IV

TRANSCENDENT 8 MEGAPIXEL (4K) FULL COLOR AT NIGHT + ACTIVE DETERRENCE CAMERAS: THE MOST ADVANCED ALL-IN-ONE SECURITY SOLUTION AVAILABLE!

Transcendent Series 8MP (4K) Knight Guard Full Color at Night + Active Deterrence Cameras deliver rich color and sharp detail in challenging lighting conditions, including total darkness. Combining full-color nighttime visibility, Matrix IR, active red/blue deterrence lights, and a built-in speaker, these cameras help detect, warn, and deter intruders in real time. Advanced video-structure analytics classify humans, motor vehicles, and two-wheeled vehicles while helping reduce false alarms from animals, weather, and other non-threatening motion. Supports Transcendent GEN IV Advanced Analytics, including A.I. Powered Facial Detection.

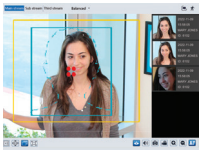
FLASHING SIREN-STYLE LIGHTS + CUSTOM



MORE THAN A CAMERA!

Featuring VITEK Knight Guard Full Color at Night, Matrix IR Night Vision, active red/blue deterrence lights, and a built-in speaker for high-decibel alarm tones or user-defined voice warnings.

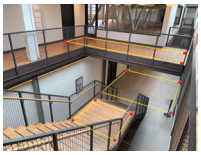
TRANSCENDENT GEN. IV ADVANCED ANALYTICS!



AI FACIAL RECOGNITION
Face Detection with Face Database



TARGET COUNTING
People, Vehicles, and Motor/Bicycles



AREA
Regional Entrance/ Exit, Line Crossing, and more!

RELATED PRODUCTS

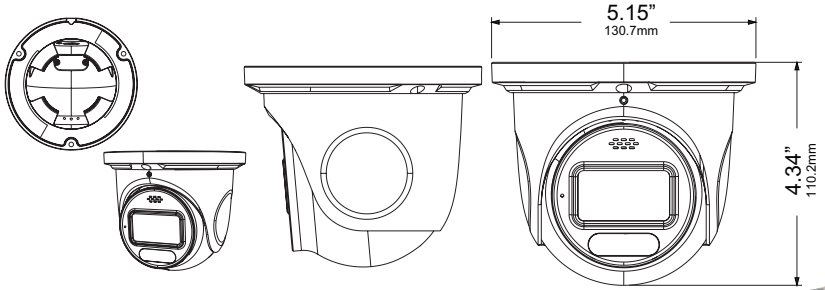
TRANSCENDENT by VITEK



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

**Firmware and Features may be upgraded periodically – Please contact your VITEK Representative for complete information on updates and downloads.*

DIMENSIONS



An Eye On Innovation

Available on the App Store | Google play | ONVIF

SINCE 1997

www.vitekcctv.com

VTC-TNT8FADW-2

DETAILED SPECIFICATIONS

Image Sensor	1/1.8” 8.0 MegaPixel (4K) Progressive Scan CMOS
Image Size	8 MegaPixel (3840 × 2160)
Resolution	8MP (3840×2160), 6MP(3072×2048), 5MP(2592×1944), 4MP(2592×1520), 2K (2560×1440), 3MP (2304×1296), 1080P(1920 ×1080), 720P(1280×720), D1, VGA(640×480), CIF, 480 × 240
Frame Rate	30fps @ 8MP (4K) and Lower (50Hz: 1~25fps)
Main-Stream	8MP/6MP/5MP/4MP/2K/3MP/1080P/720P
Sub-Stream	1080P/720P/D1/VGA/CIF
Third-Stream	D1/VGA/CIF/480×240
Min. Illumination	0.008lux @ F1.6 with AGC ON, 0 lux with IR, 0 lux with LED
Lens	2.8mm Fixed Iris Lens @ F1.6
Field of View	Horizontal: 109°, Vertical, 57°; Diagonal: 132°
Angle Adjustment	Pan: 0°~180°, Tilt:0°~75°, Rotation: 0°~180°
Electronic Shutter	1/2s ~ 1/100,000s
S/N Ratio	≥50dB
Day / Night	True Day / Night by ICR
Night Vision / Range	White Light or Matrix IR / Up to 130’
Video Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG [Triple Streaming]
Audio Compression	G.711A / G.711U
Audio	1Ch. Audio Input, 1Ch. Audio Output + Built-in Speaker + Built-in Microphone*
Alarm	1Ch. Alarm Input, 1Ch. Alarm Output
CVBS Video Out	N/A
Bit Rate / Type	64 Kbps ~ 12 Mbps / VBR, CBR
Wide Dynamic Range	120dB Super WDR
Other Features	Highlight Compensation, Backlight Compensation, DeFog, Hardware Reset
Digital Noise Reduction	XD-DNR (3D-DNR & 2D-DNR)
Image Setting	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Range Sharpness, Image Flip, Image Mirror, Noise Reduction) (Adjustable through client software or web browser)
Advanced Analytics	Intrusion Detection, Line Crossing, Target Counting [All by Human / Motor Vehicle Classification], Face Detection, Scene Change, Video Blur, Abnormal Color Detection, Heat Map
Smart Alarm	Motion Detection, Sensor Alarm, SD Card Error, SD Card Full, IP Address Conflict, Cable Connection
Region of Interest (ROI)	Each ROI to be Configured Separately
Sound / Light Warning	Flashing White Lights (Red and Blue) + Speaker with User-Defined Warning Voice Import
D.O.R.I.	Detect: 262’ (80m), Observe: 105’ (32m), Recognize: 52’ (16m), Identify: 26’ (8m)
Local Storage	Built-in MicroSD Card Slot (up to 256GB)
Remote Viewing	VMS / Web Browser / Mobile (iOS/Android)

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DETAILED SPECIFICATIONS

Online Connection	Supports Simultaneous Monitoring for up to 10 Users, Support multi-stream real time transmission
Supported Browsers	IE11(plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Network Connection	RJ45 10M/100M Self-Adaptive Ethernet port
Network Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Connection Protocol	Vitek / ONVIF
Ingress Protection	IP66
Security	Video Encryption, Firmware Encryption, HTTPs Encryption, Configuration Encryption, Illegal Login Lock, IP Address Filtering, 802.1x Authentication, Basic and Digest Authentication for HTTP/HTTPs
PoE	Yes , IEEE802.3af
Power Input	12VDC / PoE
Pwr Consumption (PoE)	<12.5W
Pwr Consumption (12VDC)	550mA (LEDs Off) / 1100mA (LEDs On)
Working Environment	-22° ~140°F (-30°~60°C) / < 95% Humidity
Storage Environment	-22° ~149°F (-30°~65°C) / < 95% Humidity
Weight Net (Gross)	22.57oz / 1.41lb / 640g (28.22 oz / 1.76lb / 800g)
Dimensions Dia × H	5.15" × 4.34" (131mm × 110mm)
Certificates	CE, FCC -- Complies with Directive EU RoHS, WEEE(2012/19/EU), Directive 94/62/EC and REACH(EC1907/2006)

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MOUNTS AND ACCESSORIES

VT-TJB01
Optional Junction box for Cable Management



VT-TJB021
Optional Junction box for Cable Management



VT-TWM01
Optional Wall Mount (VT-TJB021 Req)



VT-TWM03X
Optional Wall Mount



VT-TPDM-2
Optional Pendant Mount (VT-TJB01 Req)



VT-TPDM-3
Optional Pendant Mount (VT-TJB021 Req)



VT-TWMT-4
Optional Wall Mount



VT-TCNMT
Universal Corner Adapter (VT-TWM01 + VT-TJB021 Req)



VT-TPLMT
Universal Pole Adapter (VT-TWM01 + VT-TJB021 Req)



VT-TPL01
*Universal Mounting Plate Gang box not included**
*Also available in Charcoal VT-TPL01B**



BREAKDOWN OF MODEL NUMBERS: EXAMPLE: VTD-TNT8FADW-2

[VTC]	[T]	[N]	[T]	[8]	[F]	[AD]	[W]	[-2]
VITEK Camera	*TRANSCENDENT*	*Network*	*Turret*	*8MP*	*Fixed*	*Active Deterrence*	*WDR*	*2mm Lens*

NDAA COMPLIANT