

# VTC-TNT4FADW-2

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



## KEY FEATURES

- 1/3.0" 4.0 MegaPixel CMOS Image Sensor
- Up to 30fps @ 4MP (2592 × 1520)
- 2.8mm Fixed Iris Lens
- Vitek Knight Guard Full Color at Night Camera
- 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 (VT-TJB01, VT-TJB021), Wall Mounts (VT-TWM01 [reqs. VT-TJB021], VT-TWMT-4) and Pendant Mounts (VT-TPDM-2 [reqs. VT-TJB01], VT-TPDM-3 [reqs. VT-TJB021]) [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.

## FLASHING SIREN-STYLE LIGHTS + CUSTOM



### MORE THAN A CAMERA!

Featuring Matrix IR Night Vision + law enforcement style red and blue flashes (white light) with a high-decibel alarm or custom / pre-recorded voice commands emitted from a built-in speaker.

## RELATED PRODUCTS



Pair with one of several VITEK Transcendent Series Network or Digital Recorders offering a Myriad of Advanced Analytic Functions and Applications. See [www.vitekccctv.com](http://www.vitekccctv.com) for More!

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



**POWERFUL MOBILE APPS**  
Mobile Apps Available for Apple iOS® & Google Android®.



**ROBUST LOCAL INTERFACE**  
Face Detection with Face Database



**FREE VMS FOR MULTIPLE LOCATIONS**  
Free VMS (Video Management Software) for Easy Management of Multiple Locations.



**VERSATILE SOLUTION**  
Remote Viewing/Management using Apple macOS®, Microsoft Windows® and web browsers.

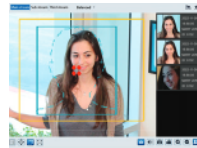


## TRANSCENDENT 4 MEGAPIXEL FULL COLOR AT NIGHT + ACTIVE DETERRENCE CAMERAS: THE MOST ADVANCED ALL-IN-ONE SECURITY SOLUTION AVAILABLE!

Transcendent Series 4MP Full Color @ Night + Active Deterrence Cameras boast rich color and clear details in all light conditions, including total darkness. Combined with Active Deterrence Capabilities, these Cameras employ revolutionary multi-layer security features to audibly warn and ward off intruders or trespassers in real-time, bringing advanced perimeter protection and strengthened deterrence to nearly any security application. Onboard advanced video structure technology identifies humans, vehicles, and 2-wheeled transportation, while avoiding false alarms such as passing animals, and precipitation. These models also support Gen. IV Advanced

Analytics including A.I. Powered Facial Recognition!

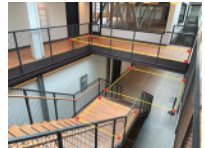
## TRANSCENDENT GEN. IV ADVANCED ANALYTICS!



**AI FACIAL RECOGNITION**  
Face Detection with Face Database



**TARGET COUNTING**  
People, Vehicles, and Motor/Bicycles



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

## TRANSCENDENT VMS PLATFORM

An Eye On Innovation



[www.vitekccctv.com](http://www.vitekccctv.com)



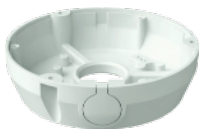
## DETAILED SPECIFICATIONS

|                          |                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/3.0" 4.0 MegaPixel Progressive Scan CMOS                                                                                                                                      |
| Image Size               | 4 MegaPixel (2592×1520)                                                                                                                                                         |
| Resolution               | 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 @ 4MP and Lower                                                                                                                                                           |
| Main-Stream              | 4MP/2K/3MP/1080P/720P (60Hz: 1~30fps)                                                                                                                                           |
| Sub-Stream               | 720P/D1/VGA/CIF (60Hz: 1~30fps)                                                                                                                                                 |
| Third-Stream             | D1/VGA/CIF/480×240 (60Hz: 1~30fps)                                                                                                                                              |
| Min. Illumination        | 0.03lux @ F1.6 with AGC ON, 0 lux with IR, 0 lux with LED                                                                                                                       |
| Lens                     | 2.8 mm@F1.6, H.FoV:96°, V.FoV: 54.5°, D.FoV:113°, 3.6 mm@F1.6, H.FoV: 79.5°, V.FoV:42°, D.FoV:95°                                                                               |
| Angle Adjustment         | Pan: 0°~360°, Tilt:0°~75°, Rotation: 0°~360°                                                                                                                                    |
| 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           | No                                                                                                                                                                              |
| Bit Rate / Type          | 64 Kbps ~ 8 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 Red and Blue Lights + Speaker with User-Defined Warning Voice Import                                                                                                   |
| DORI                     | Detect: 195.73 (59.66m), Observe: 72.28' (23.86m), Recognize: 39.14' (11.93m), Identify: 19.55' (5.96m)                                                                         |
| Local Storage            | Built-in MicroSD Card Slot (up to 256GB)                                                                                                                                        |
| Remote Viewing           | VMS / Web Browser / Mobile (iOS/Android)                                                                                                                                        |
| Online Connection        | Support 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       | RJ 45 10M/100M Self-Adaptive Ethernet port                                                                                                                                      |

## DETAILED SPECIFICATIONS

|                           |                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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       | 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                                                                                                                                                                                        |
| Power Consumption (PoE)   | <12W                                                                                                                                                                                               |
| Power Consumption (12VDC) | 550mA (LEDs Off) / 1050mA (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 L x W x H      | 5.15" x 4.34" (131mm x 110mm)                                                                                                                                                                      |
| Certificates              | CE, FCC -- Complies w/ Directive EU RoHS, WEEE (2012/19/EU), Directive 94/62/EC & REACH (EC1907/2006)                                                                                              |

## MOUNTS AND ACCESSORIES



**VT-TJB01**  
Optional Junction box for  
Cable Management



**VT-TJB021**  
Optional Junction box for  
Cable Management



**VT-TWMT-4**  
Optional Wall Mount



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



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



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



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



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

## DIMENSIONS

