

# VTC-TNB8RFA4-2

Transcendent Gen. IV 8 MegaPixel [4K] Advanced A.I.  
Fixed Lens Bullet Camera [PRELIMINARY SPECS]



## KEY FEATURES

- 1/2.8" 8 MegaPixel [4K] Progressive Scan CMOS Sensor
- NDAA Compliant
- Up to 30fps live view @ 8 MegaPixel (3840×2160)
- 2.8mm Fixed Iris Lens
- Matrix IR (up to 165' IR Range)
- True Wide Dynamic Range (120dB)
- True Mechanical Day/Night function by ICR
- XD-DNR (3D & 2D-DNR) Noise Reduction
- Gen. IV Advanced Analytics: Regional Entrance / Exit Detection, Line Crossing, Target Counting [All by Human / Motor Vehicle Classification] Face Detection, Video Blur, Video Color Cast Detection, Abnormal Video
- H.265+ / H.265 / H.264+ / H.264 / MJPEG
- 1 Ch. Audio In\*
- Remote Viewing via CMS, Internet Explorer, iOS & Android Apps
- ONVIF Compliant
- MicroSD Card Slot for Local Recording (256GB)
- IP67 Weather Resistance
- Wall Mount Included, Optional Mounts: Junction Box VT-TJB08 [See Additional Mounting Options Below]
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty



## TRANSCENDENT "GEN IV" SERIES NDAA COMPLIANT IP CAMERAS WITH AI POWERED FACIAL DETECTION AND MORE!

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

## GEN. IV ADVANCED ANALYTICS



### FACIAL DETECTION

Security personnel  
can find out who  
entered / left the  
restricted area and  
at what time



### TARGET COUNTING

Keep count of  
vehicles,  
motorbikes,  
bicycles and people  
in a given area



### REGIONAL ENTRANCE/EXIT

Begin NVR recording  
and receive an alert upon  
subjects entering /  
exiting; ideal for  
property monitoring

Transcendent Series NDAA Compliant High Definition 8 Megapixel [4K] IP Network Cameras with Gen. IV Advanced Analytics including Face Detection and Target Counting offer unprecedented performance and value. These simple, easy to install, attractively styled, IP Network Cameras transmit over remote viewing via CMS, Internet Explorer, and iOS & Android Apps.



Pair with VITEK Transcendent Series  
Network Recorders VT-TNR818PF,  
VT-TNR1646PF, and VT-TNR3216PF with  
Built-in PoE and Fully Programmable  
Intelligent Analytics including Facial  
Detection.

An Eye On  
Innovation



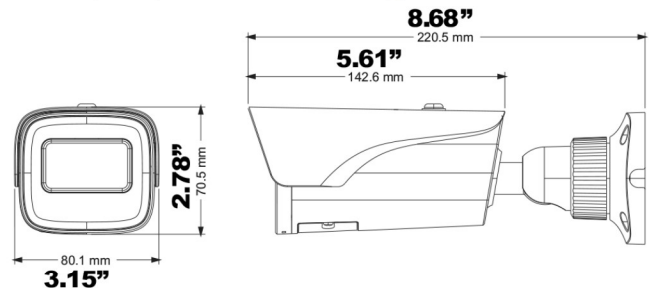
**VT-TJB08**  
Optional Junction  
Box for Cable  
Management



**VT-TPLMT**  
Universal Pole Mount  
Adapter - reqs. VT-TJB08



**VT-TCNMT**  
Universal Corner Mount  
Adapter - reqs. VT-TJB08



## DETAILED SPECIFICATIONS

|                            |                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor               | 1/2.8" 8.0 Megapixel [4K] Progressive Scan CMOS                                                                                                                                                   |
| NDAA Compliant             | Yes                                                                                                                                                                                               |
| 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, CIF, 480×240                                             |
| Min. Illumination          | 0.01 lux @ F1.2, AGC ON; 0 lux with IR, 0.02 lux@F1.6, AGC ON; 0 lux with IR                                                                                                                      |
| Lens                       | 2.8mm Fixed Iris Lens                                                                                                                                                                             |
| Day / Night                | True Day / Night by ICR                                                                                                                                                                           |
| IR LEDs / IR Distance      | 2 Matrix Style IRs / Up to 165'                                                                                                                                                                   |
| Video Compression          | Smart H.265 / H.265+ / H.265 / Smart H.264 / H.264+ / H.264 / MJPEG                                                                                                                               |
| Audio Compression          | G.711A / G.711U                                                                                                                                                                                   |
| Main-Stream                | 60Hz: 8/6/5/4MP/2K/3MP/1080P/720P(1~30fps), 50Hz: (1~25fps)<br>HFR:1080P 720P(60Hz: 1 60fps; 50Hz: 1~50fps)                                                                                       |
| Sub / Third Stream         | 1080P/720P/D1/480 × 240 (60Hz: 1~30fps; 50Hz: 1~25fps), 720P/D1/CIF/480 × 240 (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                      |
| 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, Chroma, Contrast, Sharpen, NR; adjustable through client software / web browser                                                                                      |
| Gen. IV Advanced Analytics | Regional Entrance / Exit Detection, Line Crossing, Target Counting <i>[all by Human / Motor Vehicle Classification]</i><br>Face Detection, Video Blur, Video Color Cast Detection, Abnormal Video |
| Smart Alarm                | Motion Detection, SD Card Error, SD Card Full                                                                                                                                                     |
| Region of Interest (ROI)   | Each ROI to be Configured Separately                                                                                                                                                              |
| Audio                      | 1 Ch. Audio In*                                                                                                                                                                                   |
| Alarm                      | N/A                                                                                                                                                                                               |
| Local Storage              | Built-in MicroSD Card Slot (up to 256GB)                                                                                                                                                          |
| Remote Viewing             | CMS / Web Browser / Mobile (iOS/Android)                                                                                                                                                          |
| Supported Browsers         | Internet Explorer, Chrome and Firefox with IE Tab                                                                                                                                                 |
| Connection Protocol        | ONVIF                                                                                                                                                                                             |
| Ingress Protection         | IP67                                                                                                                                                                                              |
| Power Input                | 12VDC / PoE                                                                                                                                                                                       |
| Pwr Consumption (12VDC)    | 350mA (LEDs Off) / 800mA (LEDs On)                                                                                                                                                                |
| Power Consumption (PoE)    | 9.5W                                                                                                                                                                                              |
| Working Environment        | -22° ~140° / < 95% Humidity                                                                                                                                                                       |
| Weight                     | 25.75oz / 1.61lbs / .73kg (NET) 31.75oz / 1.98lbs / .90kg (SHIPPING)                                                                                                                              |
| Dimensions (L × W × H)     | 8.68 × 3.15 × 2.78" (220.5 × 80.1 × 70.5mm)                                                                                                                                                       |

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