

# VTC-TNB8MEA

Transcendent Series 8 MegaPixel (4K) Motorized AF IP WDR Bullet Camera with Programmable Analytics



## KEY FEATURES

- 1/2.8" 8.0 MegaPixel (4K) CMOS Image Sensor
- Up to 20fps@8MP (3840 × 2160), Up to 30fps@6MP and below
- 2.8~12mm Motorized Varifocal Lens
- Matrix IR (up to 165' IR Range), White Light (up to 130')
- True Wide Dynamic Range (120dB)
- True Mechanical Day/Night function by ICR
- XD-DNR (3D & 2D-DNR) Noise Reduction
- Programmable Analytics: Line crossing / Region Intrusion Detection (by human / vehicle classification), Object Abandoned / Missing, Scene Change Detection, Video Blur, Video Color Cast Detection
- H.265+ / H.265 / H.264+ / H.264 / MJPEG
- MicroSD Card Slot for Local Recording (Up to 256GB)
- 1 Ch. Audio In + Built-in Mic\*
- Remote Viewing via VMS, Web Browser, and iOS & Android Apps
- ONVIF Compliant
- IP67 Weather Resistance
- Wall Mount Included. Optional J-Box and Mounting Options Available - see below
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty



\*Also available in Charcoal, VTC-TNB8MEAB



**CABLE CONNECTIONS**  
Ethernet (PoE), 12VDC Input, Audio In\*



**MICRO SD CARD SLOT**  
Supporting up to 256GB MicroSD Cards



TRANSCENDENT



NETWORK



INTEGRATED AUDIO



8 MEGAPIXEL



DUAL ILLUMINATION



MOTORIZED VARIFOCAL LENS



PROGRAMMABLE ANALYTICS



## TRANSCENDENT KNIGHT GUARD IP CAMERA WITH PROGRAMMABLE ANALYTICS!

Transcendent Series NDA A Compliant High Definition 8 Megapixel IP Network Cameras offer unprecedented performance and value. These simple, easy to install, attractively styled, IP Network Cameras transmit over remote viewing via VMS, Web Browser, and iOS & Android Apps. These models also feature Knight Guard with enhanced night vision using White Light emitters.

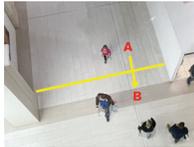
## TRANSCENDENT ANALYTICS!



**OBJECT TRACKING**  
Track Objects Removed from or Abandoned in Secure Areas



**AREA**  
Fully Programmable Regional Intrusion Detection



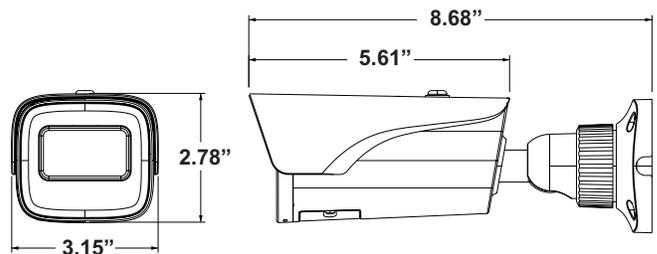
**LINE CROSSING**  
Track People or Vehicles Entering / Exiting Designated Areas

## RELATED PRODUCTS & ACCESSORIES



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.



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



**VT-TPLMT**  
Universal Pole Mount Adapter (VT-TJB08 Req)



**VT-TCNMT**  
Universal Corner Mount Adapter (VT-TJB08 Req)



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

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



## DETAILED SPECIFICATIONS

<b>Image Sensor</b>	1/2.8" 8MP (4K) Progressive Scan CMOS
<b>Image Size</b>	3840×2160
<b>Electronic Shutter</b>	1/3s ~ 1/100000s
<b>Iris Type</b>	Motorized
<b>Min. Illumination</b>	0.02 lux @F1.6, AGC ON, 0 lux with illumination On
<b>Lens</b>	2.8~12mm Motorized Varifocal
<b>FoV</b>	Horizontal: 97.3°~34°, Vertical: 52.3°~17.7°, Diagonal: 116°~37°
<b>Focus</b>	Motorized AutoFocus
<b>Supplement Light Range</b>	IR range: up to 165', White light range: up to 130'
<b>Day &amp; Night</b>	ICR
<b>Wide Dynamic Range</b>	120dB
<b>BLC</b>	Yes - Backlight Control
<b>HLC</b>	Yes - Highlight Control
<b>Digital Noise Reduction</b>	Yes
<b>S/N Ratio</b>	≥50dB
<b>Angle Adjustment</b>	Pan: 0°~180°, Tilt:0°~90°, Rotation: 0°~360°
<b>Video Compression</b>	Main stream: H.265+ / H.265 / H.264+ / H.264, Sub /Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
<b>H.265 Standard</b>	Main Profile@Leve4.1 High Tier
<b>Resolution</b>	8MP(3840×2160), 6MP(3200×1800), 4MP(2688×1520), 2K(2560×1440), 1080P (1920×1080), 720P (1280×720), D1, VGA (640×480), 640× 360, 480× 240, CIF
<b>Main Stream</b>	60Hz: 8MP(1~20fps) /6MP/4MP/2K/1080P (1~30fps) 50Hz: 8MP(1~20fps) /6MP/4MP/2K/1080P (1~25fps)
<b>Sub Stream</b>	720P/D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
<b>Third Stream</b>	D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
<b>Bit Rate</b>	64 Kbps ~12Mbps
<b>Bit Rate Type</b>	VBR / CBR
<b>Image Settings</b>	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
<b>Audio Compression</b>	G711A/U
<b>ROI</b>	Each ROI to be configured separately
<b>Network</b>	RJ45

## DETAILED SPECIFICATIONS CONT'D

<b>CVBS Video Out</b>	No
<b>Audio</b>	1CH audio input, 1CH built-in MIC*
<b>Storage</b>	Built-in micro SD card slot, up to 256GB
<b>Reset</b>	Yes
<b>Remote Monitoring</b>	Web browser / Transcendent NVR / VMS / Mobile App
<b>Web Browser</b>	Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+
<b>Online Connection</b>	Support simultaneous monitoring for up to 6 users, Support multi-stream real time transmission
<b>Network Protocol</b>	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, HTTP POST, P2P, QoS
<b>Interface Protocol</b>	ONVIF
<b>Smart Alarm</b>	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception
<b>Programmable Analytics</b>	Line crossing / Region Intrusion Detection (by human / vehicle classification), Object Abandoned / Missing, Scene Change Detection, Video Blur, Video Color Cast Detection
<b>More Features</b>	Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, smart supplement light, corridor pattern
<b>PoE</b>	Yes (IEEE802.3af)
<b>Ingress Protection</b>	IP67
<b>Security</b>	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
<b>D.O.R.I.</b>	2.8~12mm(W): Detect: 288ft (88m), Observe: 114ft(35m), Recognize: 56ft(17m), Identify: 27ft (8m) 2.8~12mm(T): Detect: 908ft(277m), Observe: 364ft(111m), Recognize: 180ft(55m), Identify: 91ft(28m)
<b>Power Supply</b>	DC12V/PoE
<b>Power Consumption</b>	<12W
<b>Operating Conditions</b>	-22°F~140°F (-30°C~60°C), Humidity: less than 95 % (non-condensing)
<b>Dimensions (L x W x H)</b>	8.68 x 3.15 x 2.78" (220.5 x 80.1 x 70.5mm)
<b>Weight</b>	1.5lbs / 23.99oz / 0.68kg
<b>Installation</b>	Ceiling mounting, wall mounting - see additional optional mounting options on page 1
<b>Certificate</b>	CE, FCC
<b>Environmental Protection</b>	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

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

<b>BREAKDOWN OF MODEL NUMBERS EXAMPLE: VTC-TNB8MEA</b>							
<b>[VTC]</b> VITEK Camera	<b>[T]</b> TRANSCENDENT	<b>[N]</b> Network	<b>[B]</b> Bullet	<b>[8]</b> 8MP	<b>[M]</b> Motorized	<b>[E]</b> Entry Level	<b>[A]</b> Second Iteration

