

# VTC-TNB8MADW

Transcendent Series 8 MegaPixel (4K) Indoor / Outdoor WDR Knight Guard + Active Deterrence Motorized AF IP Bullet Camera

## KEY FEATURES

- 1/1.8" 8.0 MegaPixel (4K) CMOS Image Sensor
- Up to 30fps live view @ 8 MegaPixel (4K) (3840 × 2160)
- 2.8~12mm Motorized Autofocus Variable 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 165'
- 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 + CVBS
- 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) Available [Compatible with Universal Transcendent Pole and Corner Mount Adapters, VT-TPLMT & VT-TCNMT] 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 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!

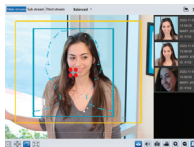
\*Firmware and Features may be upgraded periodically – Please contact your VITEK Representative for complete information on updates and downloads.



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

Transcendent Series 8MP (4K) 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!

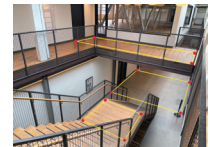
## TRANSCENDENT GEN. IV ADVANCED ANALYTICS!



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

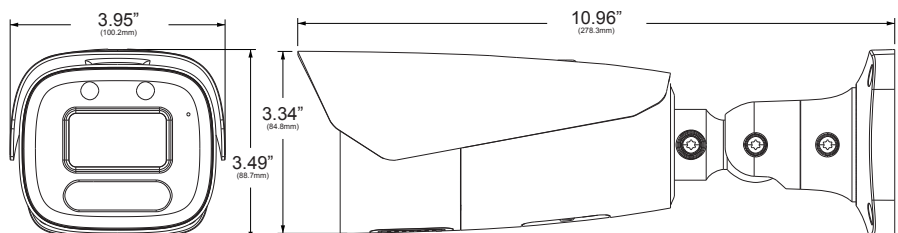


**TARGET COUNTING**  
People, Vehicles, and Motor/Bicycles



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

## DIMENSIONS



An Eye On Innovation



# VTC-TNB8MADW

## 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	0.006lux @ F1.4 with AGC ON, 0 lux with IR, 0 lux with LED
Lens	2.8~12mm Motorized AutoFocus Varifocal Lens
Field of View	Horizontal: 113°~46°, Vertical, 59°~26°; Diagonal: 136°~54°
Angle Adjustment	Pan: 0°~180°, Tilt:0°~90°, 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 165'
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	Yes (BNC × 1)
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
DORI (W)	Detect: 249' (76m), Observe: 102' (31m), Recognize: 49' (15m), Identify: 26' (8m)
DORI (T)	Detect: 614' (187m), Observe: 246' (75m), Recognize: 121' (37m), Identify: 62' (19m)
Local Storage	Built-in MicroSD Card Slot (up to 256GB)
Remote Viewing	VMS / Web Browser / Mobile (iOS/Android)

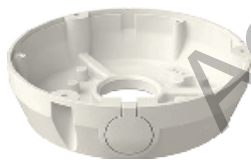
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## DETAILED SPECIFICATIONS

Online Connection	Support Simultaneous Monitoring for up to 10 Users, Support multi-stream real time transmission
Supported Browsers	IE or Edge in IE mode, Chrome, Firefox
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)	<14W
Pwr Consumption (12VDC)	600mA (LEDs Off) / 1200mA (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)	23.99oz / 1.50lb / 1040g, (29.27oz / 1.83lb / 1200g)
Dimensions L x W x H	10.96 x 3.95 x 3.49" (278.3 x 100.2x 88.7mm)
Certificates	CE, FCC -- Complies with Directive EU RoHS, WEEE(2012/19/EU), Directive 94/62/EC and REACH(EC1907/2006)

## MOUNTS AND ACCESSORIES



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



**VT-TPLMT**  
Universal Pole Mount  
Adapter - VT-TJB01 Req'd



**VT-TCNMT**  
Universal Corner Mount  
Adapter - VT-TJB01 Req'd

