

# VTC-TNT4WFCS-2

Transcendent 4 MegaPixel Indoor / Outdoor WDR Opti-Color + Knight Guard Full Color Night Vision IP Turret Camera



## KEY FEATURES

- 1/1.79" CMOS 4 MegaPixel Progressive Scan CMOS Sensors
- Up to 30fps live view @ 4MP (2688 x 1520)
- 2.8mm Fixed Iris Lens with F1.0 Aperture for ultra-low light sensitivity
- OPTI-COLOR offers unparalleled full-color night vision capabilities, capturing vivid, high-quality images in ultra-low light conditions—transforming nighttime security with clarity never before achieved in surveillance cameras!
- KNIGHT GUARD Illuminates the area with Bright White High-Intensity Light, making it difficult for any intruder to remain unseen
- Knight Guard White Light Range Up to 100'
- Supports up Five Streams: H.265+, H.265, H.264+, H.264 & MJPEG
- 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!
- Video Meta Data Simultaneously captures the human body, motor vehicles, and non-motor vehicles, extracting 13 features from humans, 5 features from motor vehicles, and 1 feature from non-motor vehicles.
- 1 Ch. Audio In + 1 Ch. Audio Out + Built-in Mic
- 1 Ch. Alarm In + 1 Ch. Alarm Out
- Built-in MicroSD Card Slot for Local Recording (up to 1TB)
- IP67 Weather Resistance
- Optional J-Box and Mount Adapters Available (see rear page)
- 12VDC & PoE (Power over Ethernet) Operation
- 3-Year Warranty

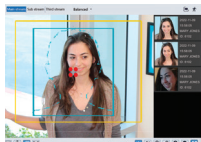


**OPTI-COLOR**



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

## TRANSCENDENT GEN. IV ADVANCED ANALYTICS!



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



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



**VIDEO META DATA**  
Extract 13 features from humans and 5 from motor vehicles

## ULTRA LOW LIGHT CAMERAS, LOADED WITH A.I. FEATURES!

Transcendent Series 4MP Full Color at Night Opti-Color Cameras boast rich color and clear details in all light conditions - including total darkness - making them ideal for any surveillance application where lower than optimal light conditions are present. Combined with Intelligent Analytics including Meta Data, these models also support Gen. IV Advanced Analytics including A.I. Powered Facial Recognition, Target Counting, Area Detection, & More!

## VIVID, HIGH-QUALITY IMAGES IN TOTAL DARKNESS, EVEN WITH WHITE LIGHTS OFF!

## RELATED PRODUCTS

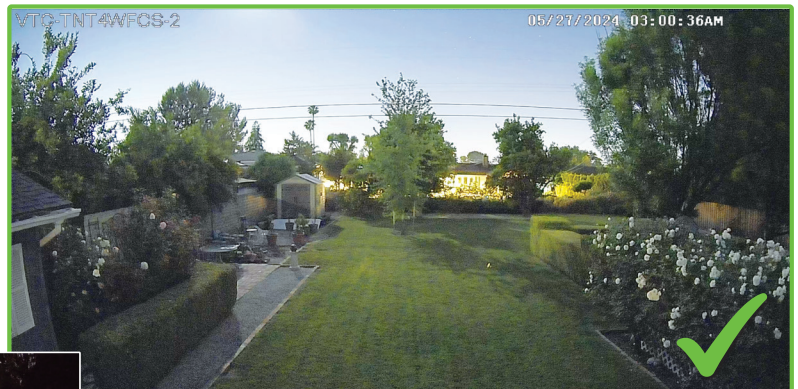


Pair with one of several VITEK Transcendent Series Network or Digital Recorders offering a Myriad of Advanced Analytic Functions and Applications. See [www.vitekccctv.com](http://www.vitekccctv.com) for More!

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

## DON'T SETTLE FOR LESS

Comparable "night vision" model from a leading competitor used in the exact same application.



**BREAKDOWN OF MODEL NUMBERS: EXAMPLE: VTC-TNT4WFCS-2**

[VTC]	[T]	[N]	[T]	[4]	[W]	[F]	[C]	[S]	[2]
VITEK Camera	TRANSCENDENT	Network	Turret	4MP	White Light	Fixed	Color	Sensor	2.8mm Lens

An Eye On Innovation



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



## DETAILED SPECIFICATIONS

<b>Image Sensor</b>	1/1.79 "CMOS
<b>Image Size</b>	2688 × 1520
<b>Lens</b>	2.8mm Fixed
<b>Iris Type</b>	Fixed Iris
<b>Electronic Shutter</b>	Auto or manual mode; manual mode: 1 / 2s ~ 1 / 100000 s
<b>Min. Illumination</b>	0.0003 lux@F1.0, AGC On, 0 lux with illumination On
<b>White Light Range</b>	100ft
<b>S/N Ratio</b>	≥50dB
<b>AE Enhancement</b>	Backlight Control (BLC), Highlight Control (HLC), Defog, Digital Wide Dynamic Range (D-WDR)
<b>3D DNR</b>	XD-DNR (3D-DNR & 2D-DNR)
<b>Video Compression</b>	Main stream: H.265+ / H.265 / H.264+ / H.264 / Sub stream / Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG / Fourth stream / Fifth stream: H.265 / H.264 / MJPEG
<b>H.264 Compression</b>	Baseline Profile / Main Profile / High Profile
<b>Resolution</b>	4MP (2688×1520), 2K (2560×1440), 3MP(2304×1296),1080P (1920×1080), 720P (1280×720), D1, VGA (640 ×480), CIF, 480×240
<b>Main Stream</b>	4MP / 2K / 3MP / 1080P (1~30fps)
<b>Sub Stream</b>	1080P / 720P / D1 (1~30fps)
<b>Third Stream</b>	720P / D1 / VGA / CIF / 480x240 (1~30fps)
<b>Fourth Stream</b>	D1/VGA/CIF/480×240 (1~30fps)
<b>Fifth Stream</b>	D1/VGA/CIF/480x240 (1~30fps)
<b>Bit Rate</b>	64 Kbps ~ 8 Mbps
<b>Bit Rate Type</b>	VBR/ CBR
<b>Audio Compression</b>	G711A/U
<b>Image Settings</b>	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc, adjustable through client software or web browser
<b>ROI</b>	Each ROI to be configured separately
<b>BNC Output</b>	No
<b>Audio</b>	1CH audio input, 1CH audio output, 1CH built-in Microphone*
<b>Storage</b>	Built-in micro SD card slot supporting up to 1TB / Network remote storage
<b>Alarm</b>	1CH alarm input, 1CH alarm output
<b>Smart Event</b>	Line crossing, region intrusion/ entrance/exiting (human/vehicle classification), abandoned/ missing object detection, crowd density detection
<b>Statistics</b>	Target counting by line, heat map
<b>Exception Detection</b>	Scene change, video blur and abnormal color detection
<b>Face Detection</b>	Face detection and face capture
<b>Video Meta Data</b>	Simultaneously captures the human body, motor vehicles, and non-motor vehicles, extracting 13 features from humans, 5 features from motor vehicles, and 1 feature from non-motor vehicles.
<b>DORI Distance</b>	Detect: 170ft / Observe: 68ft / Recognize: 33ft / Identify: 17ft

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

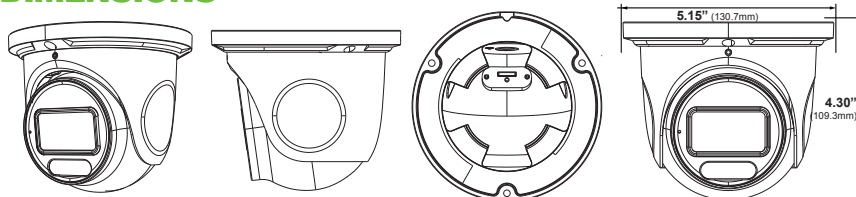
## DETAILED SPECIFICATIONS

Remote Monitoring	Web Client / NVR / Vitek Transcendent VMS / Mobile App
Web Browser	IE11 (plug-in required) / Chrome 92.0+ / Edge 92.0+ / Firefox 91.0+ / Safari 13.1+
Online Connection	Support simultaneous monitoring for up to 3 users, Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, FTP, PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP
Network	RJ 45
PoE	Yes, IEEE802.3af
Interface Protocol	ONVIF
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection
Additional Features	Watermark, Video Mask, Heartbeat, Image Distortion Correction, Corridor Pattern
Angle Adjustment	Pan: 0°~360°, Tilt:0°~80°, Rotation: 0°~360°
Ingress Protection	IP67
Power Supply	DC12V/PoE
Power Consumption	<5.5W
Operating Conditions	-22°F~140°F (-30°C~60°C), Humidity: less than 95 % (non-condensing)
Installation	Ceiling mounted or Wall mounted
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)
Dimensions (mm)	5.15" × 4.30" (130.8mm × 109.2mm)
Weight (net)	24.70 oz / 1.54 lbs / 700g

## MOUNTS AND ACCESSORIES



## DIMENSIONS



www.vitekccctv.com

