VTC-TNB5FW-2

VITEK On Alert Series 5MP H.265 **Wi-fi** Enabled IP Bullet Camera with Knight Guard & Programmable Analytics

KEY FEATURES

- 1/2.7" 5 MegaPixel CMOS Sensor (2880 × 1620)
- 2.8mm Fixed Lens
- Built-in Wi-Fi – Dual-band 2.4/5 GHz (802.11 a/b/g/n/ac/ax) with WPA3 security; up to 656' (200 m) line-of-sight
- Dual Illumination – Smart IR and Knight Guard high-intensity white light (up to 100' IR / 100' White Light range)
- Full-Color Night Vision powered by Knight Guard White Light LEDs
- True WDR (120 dB), 3D-DNR, HLC, and BLC for challenging scenes
- Programmable Analytics – Line Crossing (Tripwire), Intrusion, Region Entrance/Exit, Human/Vehicle Classification, Abandoned/Missing Object; Smart Motion (SMD) and event-triggered white-light alarm, AI Classification for People and Vehicles
- Triple Streaming – Smart H.265+/H.265/H.264+/H.264/MJPEG
- Audio – Built-in Microphone plus 1ch Audio In
- Onboard microSD local recording up to 256GB
- ONVIF Profiles S/G/M/T for seamless integration
- IP67 weather resistance for indoor/outdoor use
- Mounting Options – Wall mount included; optional junction box (VT-TJB08), pole mount, and corner mount adapters available
- 12VDC Power (no PoE)
- 3-Year Warranty

Wi-Fi Enabled

VITEK ON ALERT

| ON ALERT SERIES | BUILT-IN WI-FI | BUILT-IN MICROPHONE | 5MP 5 MEGAPIXEL | IR ILLUMINATION / WHITE LIGHT | FIXED LENS | PROGRAMMABLE ANALYTICS |

KNIGHT GUARD · **PROGRAMMABLE ANALYTICS** · **NDAA COMPLIANT**

WI-FI BULLET WITH KNIGHT GUARD FULL-COLOR NIGHT VISION

The VITEK On Alert Series VTC-TNB5FW-2 delivers sharp 5MP resolution with built-in dual-band Wi-Fi for fast, secure wireless installation. Equipped with Smart IR and Knight Guard high-intensity white light, it provides up to 100' of IR and full-color night vision, even in complete darkness. Featuring True WDR, advanced image controls, and programmable analytics including human/vehicle classification, it offers intelligent monitoring for a wide range of applications. The rugged IP67 housing, included wall mount, and optional accessories make it ideal for versatile indoor or outdoor deployments.

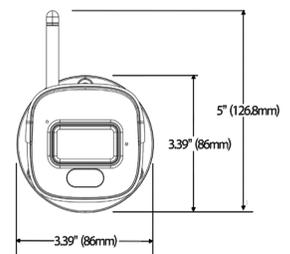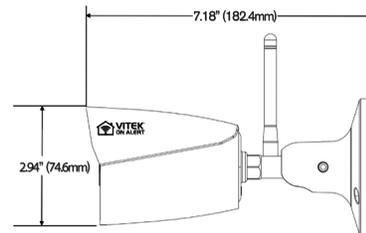## DESIGNED FOR THE TRANSCENDENT PLATFORM

ALL-IN-ONE SECURITY PLATFORM
The Transcendent Platform unifies NVRs, IP Cameras, Cloud Access, and Advanced Analytics into a single, scalable ecosystem for seamless system management.

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

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

TRANSCENDENT PLATFORM

RELATED PRODUCTS AND ACCESSORIES!

VT-TJB08
Optional Junction box for Cable Management

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

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

DIMENSIONS

7.18" (182.4mm)
2.94" (74.6mm)
5" (126.8mm)
3.39" (86mm)
3.39" (86mm)

VTC-TNB5FW-2

SPECIFICATIONS

Image Sensor	1/2.7" Progressive Scan CMOS
Image Size	2880 x 1620
Max. Resolution	5MP (2880 × 1620)
Electronic Shutter	1/3 ~ 1/100000s
Iris Type	Fixed Iris
Minimum Illumination	0.007 lux @F1.6 (AGC ON); 0 lux with IR
Lens	2.8mm
F.O.V.	F1.6, Horizontal FoV: 110°, Vertical FoV:61°, Diagonal FoV:131°
Focus	Fixed
IR Light Range	IR: Up to 100'
White Light Range	IR: Up to 100'
Day/Night	ICR
Wide Dynamic Range	120dB
BLC / HLC / Digital NR	Yes / Yes / Yes
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°–360°; Tilt: 0°–80°; Rotation: 0°–360°
Video Compression	Main: H.265+/H.265/H.264+/H.264; Sub/Third: H.265+/H.265/H.264+/H.264/MJPEG
H.265 Compression Standard	Main Profile @ Level 4.1 High Tier
Bit Rate / Type	64Kbps–8Mbps / VBR or CBR
Audio Compression	G.711A/U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, WDR, Sharpness, Image Mirror, Image Flip, NR, etc.
ROI	Configurable for each region
Remote Monitoring	Web browser / Transcendent NVR / VMS / Mobile App
Supported Browsers	Chrome 89+, Edge 89+, Firefox 87+, Safari 14+
Connections	Max. 6 users; Multi-stream real-time
Network Protocols	UDP, IPv4/IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, P2P, QoS
Interface Protocol	ONVIF Profile S/G/M/T
Security	Video/firmware/config encryption, illegal login/IP filter, 802.1x, basic & digest auth
Local Storage	microSD card slot, up to 256GB
Smart Alarm	Motion, SMD, SD errors, IP conflict, disconnect, white light alarm, SD card full
Smart Events	Line crossing, intrusion, entrance/exit, human/vehicle classification, missing/abandoned object
General Functions	Watermark, video mask, heartbeat, corridor, ANR, cloud upgrade, Wi-Fi config via QR
PoE	No

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

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VTC-TNB5FW-2

SPECIFICATIONS

Main Streaming Frame Rate	Main: 5MP @ 60Hz: 1–20fps 4MP/2K/3MP/1080P @ 50Hz: 1–30fps
Sub Streaming Frame Rate	Sub: 720P/D1/VGA/640×360/CIF (60Hz: 1–30fps; 50Hz: 1–25fps)
Third Streaming Frame Rate	Third: D1/VGA/640×360/480×240/CIF (60Hz: 1–30fps; 50Hz: 1–25fps)
Ingress Protection	IP67
DORI Distance (2.8mm)	Detect: 180 ft (55 m); Observe: 72 ft (22 m); Recognize: 39 ft (11 m); Identify: 18 ft (5.5 m)
Audio I/O	1-ch audio input; 1-ch built-in mic
Wi-Fi	IEEE802.11 a/b/g/n/ac/ax; 2.4GHz & 5GHz; WPA3; up to 656 ft (200 m)
Installation	Ceiling or wall mount
Certifications	CE, FCC
Environmental	Complies with EU RoHS, WEEE, REACH
Power Supply	12VDC
Power Consumption	<6.02W
Operating Conditions	-22°F–140°F (-30°C–60°C); ≤95% RH (non-condensing)
Storage Conditions	-22°F–149°F (-30°C–65°C); ≤95% RH (non-condensing)
Dimensions	7.18 × 3.39 × 4.99 in (182.4 × 86 × 126.8 mm)
Weight	1.15 lb (0.52 kg)

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

Pair with one of several VITEK Transcendent Series Network or Digital Recorders offering a Myriad of Advanced Analytic Functions and Applications. See www.vitekcctv.com for More!

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

BREAKDOWN OF MODEL NUMBERS EXAMPLE: VTC-TNB5FW-2							
[VTC]	**[T]**	**[N]**	**[B]**	**[5]**	**[F]**	**[W]**	**[-2]**
VITEK Camera	*TRANSCENDENT*	*Network*	*Bullet*	*5MP*	*Fixed*	*Wi-Fi*	*2.8mm Lens*

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