

# VTD-TND12FPN

Transcendent Series NDAA Compliant 12 MegaPixel  
Indoor/Outdoor IP67 Compact IP Vandal 360° Fisheye Camera



## KEY FEATURES

- 1/1.7"12.0 MegaPixel CMOS Image Sensor
- Up to 30fps@3000×3000, 30fps@2160×2160  
- Panoramic View: 15fps @ 4000×3000, 3840×2160
- True (120dB) Wide Dynamic Range
- 1.65mm @F2.0, horizontal field of view: 180° (Wall mounting), 360° (Ceiling mounting)
- 4 High Power Covert IR LEDs with up to 65' IR Range
- True Mechanical Day / Night function by ICR
- XD-DNR (2D-DNR & 3D-DNR) Noise Reduction
- ROI Encoding
- H.265+ / H.265 / H.264+ / H.264 / MJPEG
- Secondary Video Output (CVBS)
- Programmable Analytics: Region Intrusion, Target Counting (Human / Vehicle classification), Crowd Density, Heat Map
- Remote Viewing via VMS, Web Browse, iOS & Android Apps
- ONVIF Compliant
- MicroSD memory card slot for Local recording supporting up to 256GB
- Optional Junction Box (VT-TJB-F1), Pedestal (VT-TPDM-F), and Wall (VT-TWM-F) Mounts Available
- IP67 Ingress Protection
- Two Way Audio\* (Amplified speaker required)
- 12VDC & PoE (Power over Ethernet) Operation
- 3 Year Warranty

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

## AN ALL-IN-ONE SECURITY SOLUTION!

The VITEK Transcendent Series NDAA Compliant 12 Megapixel Panoramic Fisheye Network Camera enables complete visual coverage of a 360 degree area. Complete image may be split or de-warped into 3 separate images which can be manipulated for closer inspection by digital Pan Tilt and zoom within each divided image.

Features include Infrared LEDs for viewing in total darkness, 2-Way Audio and a micro SD card slot for local recording. One or more can be used as an overview in a sophisticated network video solution or as an All-in-One Video Surveillance system with Mobile applications supporting Virtual Reality mode.



## RELATED PRODUCTS AND ACCESSORIES!



**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-TJB-F1**  
Junction Box for  
Cable Management  
with  
VTD-TND12FPN



**VT-TWM-F**  
Wall Mount for  
VTD-TND12FPN



**VT-TPM-F**  
Pedestal / Pendant  
Mount for  
VTD-TND12FPN



**VT-TPLMT**  
Universal  
Transcendent Pole  
Mount Adapter -  
reqs. VT-TWM-F



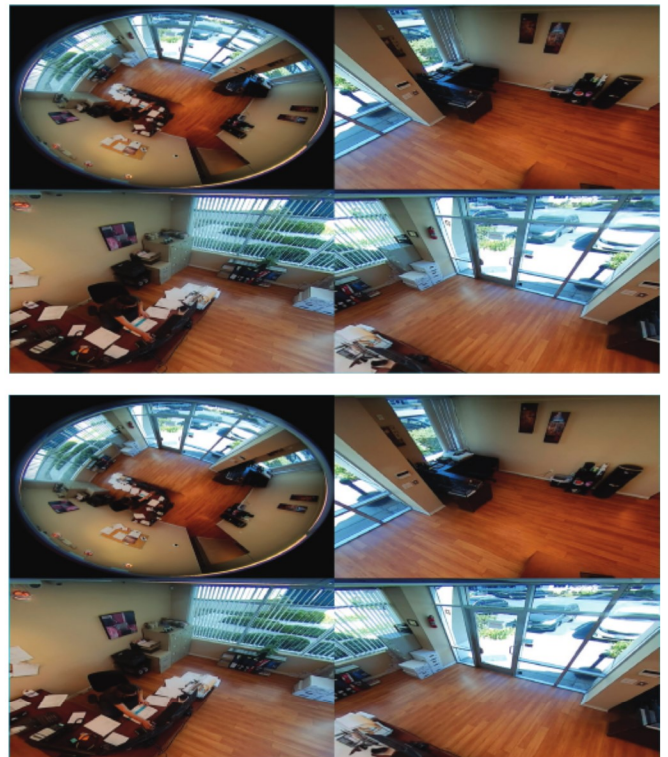
**VT-TCNMT**  
Universal  
Transcendent  
Corner Mount Adapter -  
reqs. VT-TWM-F



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## MULTIPLE VIEWS



# VTD-TND12FPN



|                       |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor          | 1/1.7" Progressive Scan CMOS                                                                                                                                                                                                                                                                                                                                                  |
| Max. Resolution       | 4000×3000                                                                                                                                                                                                                                                                                                                                                                     |
| Electronic Shutter    | 1/3s ~ 1/100000s                                                                                                                                                                                                                                                                                                                                                              |
| Min. Illumination     | 0.01 lux@F2.0, AGC ON, 0 lux with IR                                                                                                                                                                                                                                                                                                                                          |
| Lens                  | Fixed 1.65mm @F2.0, Horizontal Field of View: 180° (Wall Mounting), 360° (Ceiling)                                                                                                                                                                                                                                                                                            |
| WDR                   | True WDR 120dB                                                                                                                                                                                                                                                                                                                                                                |
| S/N Ratio             | ≥50dB                                                                                                                                                                                                                                                                                                                                                                         |
| IR Distance           | 4 Covert Hi Power IRs / Up to 65' (20M)                                                                                                                                                                                                                                                                                                                                       |
| Digital NR            | XD DNR (3D-DNR / 2D-DNR)                                                                                                                                                                                                                                                                                                                                                      |
| Video Compression     | Main Stream: H.265+ / H.265/ H.264+ / H.264, Sub Stream: H.265+ / H.265/ H.264+ / H.264 MJPEG                                                                                                                                                                                                                                                                                 |
| H.264 Standard        | Baseline Profile / Main Profile / High Profile                                                                                                                                                                                                                                                                                                                                |
| Main Stream (3 Modes) | 1: Fisheye: 20fps@3000×3000 30fps@(2160×2160, 1920×1920, 1440×1440, 960×960), Panoramic: 15fps@(4000×3000, 3840×2160), 3PTZ: 15fps (1280×720) * 3<br>2: Fisheye + 4 PTZ: 30fps@(3000×3000, 2160×2160, 1920×1920, 1440×1440, 960×960) 4PTZ: 15fps@(1280×720) * 4<br>3: Fisheye: 30fps@(3000×3000, 2160×2160, 1920×1920, 1440×1440, 960×960), 4PTZ Fusion View: 20fps@2560×1440 |
| Sub Stream            | Fisheye View: 30fps@1920×1920, 960×960, 480×480                                                                                                                                                                                                                                                                                                                               |
| Bit Rate / Type       | 128Kbps ~ 16Mbps / VBR/CBR                                                                                                                                                                                                                                                                                                                                                    |
| Audio / Compression   | 2 CH Built-in MIC, 1 CH Audio Input, 1 CH Audio Output* / G711A, G711U (2-way Audio Only with Amplified Speaker)                                                                                                                                                                                                                                                              |
| Image Settings        | ROI, Sat., Brightness, Hue, Contrast, WDR, Sharpness, Image Flip / Mirror, NR (Adjustable through Client Software / Browser)                                                                                                                                                                                                                                                  |
| ROI                   | 8 ROI, Each ROI to be Configured Separately                                                                                                                                                                                                                                                                                                                                   |
| Network               | 1 CH RJ45 10M / 100M Self-Adaptive Ethernet Port                                                                                                                                                                                                                                                                                                                              |
| Video Output          | CVBS (BNC ×1)                                                                                                                                                                                                                                                                                                                                                                 |
| RS-485                | Yes, Half-Duplex                                                                                                                                                                                                                                                                                                                                                              |
| Other Features        | Backlight Correction, Highlight Correction Reset                                                                                                                                                                                                                                                                                                                              |
| Alarm                 | 1 CH alarm input, 1 CH alarm output                                                                                                                                                                                                                                                                                                                                           |
| Remote Monitoring     | Web Browser / Transcendent VMS / NVR / Mobile App                                                                                                                                                                                                                                                                                                                             |
| Web Browser           | IE11(plugin required) / Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+                                                                                                                                                                                                                                                                                              |
| Online Connection     | Support Simultaneous Monitoring for up to 6 Users                                                                                                                                                                                                                                                                                                                             |
| Network Protocol      | Support Multi-stream Real Time Transmission                                                                                                                                                                                                                                                                                                                                   |
| Interface Protocol    | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RT(C/M)P, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTP/S/POST, QoS, P2P                                                                                                                                                                                                                                                                 |
| Analytics             | Region Intrusion / Region Entrance / Region Exiting / Target Counting by Line Crossing, Crowd Density, Heat Map                                                                                                                                                                                                                                                               |
| Smart Alarm           | Motion Detection, Sensor Alarm, SD Card Error, SD Card Full, IP Address Conflict, Cable Disconnection                                                                                                                                                                                                                                                                         |
| General Functions     | Watermark, Video Mask, Heart Beat, Corridor Pattern, Fisheye Dewarping, System Backup                                                                                                                                                                                                                                                                                         |
| PoE                   | Yes, IEEE802.3af                                                                                                                                                                                                                                                                                                                                                              |
| Storage               | Built-in MicroSD Card Slot, up to 256GB                                                                                                                                                                                                                                                                                                                                       |
| Ingress Protection    | IP67                                                                                                                                                                                                                                                                                                                                                                          |
| Power Supply          | DC12V/PoE                                                                                                                                                                                                                                                                                                                                                                     |
| Power Consumption     | <10W                                                                                                                                                                                                                                                                                                                                                                          |
| Working Environment   | -22°F to 140 °F (-30°C to 60°C), Humidity: 95% or Less (Non-Condensing)                                                                                                                                                                                                                                                                                                       |
| Dimensions, Weight    | 5.16" x 1.81" (131 x 46mm), 97lbs / 15.52/ 440g (Net), 1.23lbs / 19.75 oz / 560g (Gross)                                                                                                                                                                                                                                                                                      |

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

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