

VTD-TND2X4DA-2

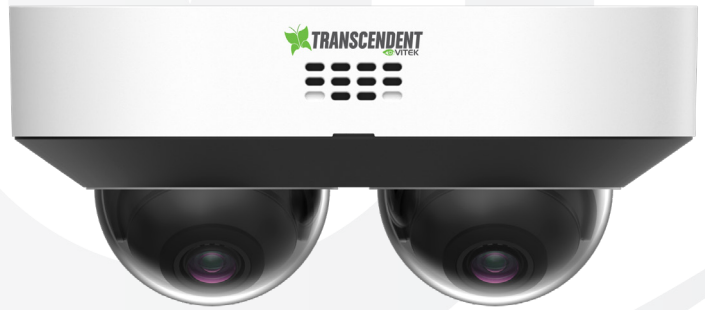
Transcendent 4 MegaPixel Dual-Sensor Dome IP Camera with Fully Independent Lens Positioning and Programmable+ Analytics



KEY FEATURES

- 1/3" CMOS Dual Image Sensors deliver 4 MegaPixel resolution (2688 × 1520) at up to 30fps
- 2.8mm fixed lenses with ultra-wide 101° horizontal field of view
- Fully independent lens positioning for maximum coverage flexibility
- Ultra-Low Light Performance – 0.005 lux @F1.6 (0 lux with IR)
- Smart IR LEDs provide up to 100' (30m) of night vision range
- True Day/Night with ICR (Infrared Cut Filter Removal)
- Wide Dynamic Range (WDR) 120dB, 3D-DNR, BLC, HLC, Defog for superior performance in challenging lighting
- Lens Distortion Correction (LDC) optimizes image geometry
- Dual-split screen preview for enhanced monitoring flexibility
- Triple-stream video: H.265+/H.265/H.264+/H.264/MJPEG with Baseline/Main/High profiles
- Built-in microSD card slot supports local recording up to 512GB
- Uses two channels to capture enhanced detail and reliability
- Integrated microphone, speaker, and audio I/O for two-way communication
- Programmable+ Analytics: Face AI (detection, capture, scoring), Human/Vehicle Classification, Tripwire, Intrusion, Region Enter/Exit, Target Counting, Heat Map, Object Abandonment/Missing, Scene Change, Video Blur, Color Abnormality, Audio Exception
- Rugged IP66/IK10-rated housing for outdoor use
- Multiple power options: 12VDC or PoE (IEEE802.3af)
- ONVIF compliant for seamless integration with VITEK NVRs and third-party VMS
- NDAA Compliant
- 3-Year Warranty

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

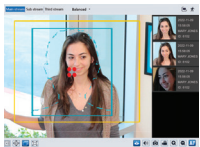


DUAL-SENSOR DOME WITH PROGRAMMABLE+ ANALYTICS

The VITEK Transcendent VTD-TND2X4DA-2 combines two 4MP image sensors in a single rugged dome housing, each with a fixed 2.8mm lens for wide coverage and independently adjustable viewing angles. Powered by Programmable+ Analytics with A.I.-driven Face Detection, Human/Vehicle Classification, Tripwire, Intrusion, and Heat Map, it delivers powerful situational awareness for demanding surveillance applications. Features include Programmable low-light performance with Smart IR up to 100', true WDR, ONVIF compliance, and local microSD recording up to 512GB. The vandal-resistant, IP66/IK10-rated housing supports multiple mounting options for versatile indoor or outdoor installations.



TRANSCENDENT PROGRAMMABLE+ ANALYTICS!



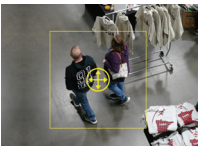
AI FACIAL RECOGNITION
Face Detection with Face Database



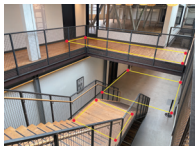
TARGET COUNTING
People, Vehicles, and Motor/Bicycles



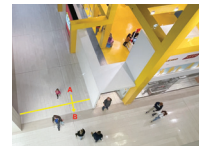
OBJECT TRACKING
Track Objects Removed or Abandoned in Secure Areas



AUTO-ZOOM TRACKING
Transcendent GEN IV IP PTZ Cameras feature the most advanced A.I Powered PTZ Auto-Tracking available.

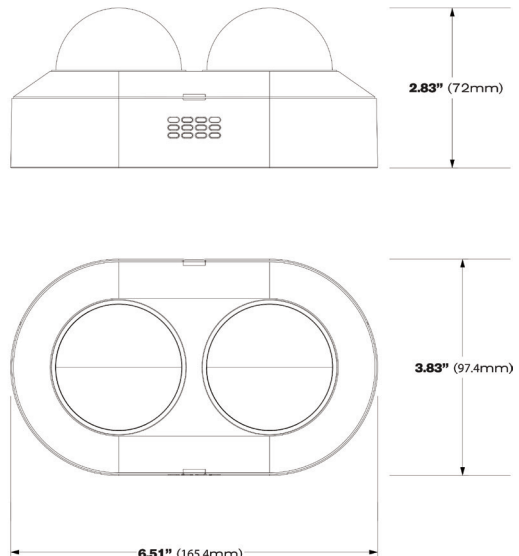


AREA TRACKING
Fully Programmable Regional Intrusion Detection



LINE CROSSING
Track People or Vehicles as Entering or Exiting Designated Areas

DIMENSIONS



An Eye On Innovation



www.vitekccv.com



SPECIFICATIONS

Image Sensor	1/3" CMOS × 2
Image Size	2688 × 1520
Electronic Shutter	1/3 s ~ 1/100000 s
Iris Type	Fixed Iris
Min. Illumination	0.005 lux @F1.6, AGC ON; 0 lux with IR
Lens	2.8 mm @F1.6, Horizontal FoV: 101°, vertical FoV: 55°, diagonal FoV: 122°
Focus	Fixed
IR Distance	Up to 100'
Day/Night	ICR (True Day/Night)
WDR	120dB
BLC / HLC	Yes
Defog	Yes
S/N Ratio	≥50dB
Angle Adjustment	Pan: -90° ~ 90°; Tilt: 0° ~ 65°; Rotation: 0° ~ 355°
Video Compression	Main/Third stream: H.265+ / H.265 / H.264+ / H.264; Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
Resolution Options	4MP (2688 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, VGA (640 × 480), 640 × 360, CIF, 480 × 240
Main Stream	4MP / 2K / 3MP / 1080P (60Hz: 1 ~ 30fps; 50Hz: 1 ~ 25fps)
Sub Stream	720P / D1 / VGA / 640 × 360 / 480 × 240 / CIF (60Hz: 1 ~ 30fps; 50Hz: 1 ~ 25fps)
Third Stream	D1 / CIF / 480 × 240 (60Hz: 1 ~ 30fps; 50Hz: 1 ~ 25fps)
Bit Rate	64 Kbps ~ 8 Mbps
Bit Rate Type	VBR / CBR
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
ROI	Each ROI can be configured separately
Audio	2CH built-in MICs; 1CH built-in speaker / 1CH audio input; 1CH audio output;
Audio Compression	G711A / U
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, audio alarm
Digital NR	3D DNR
Face Detection	Face Detection and Capture
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Network Protocols	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
Interface Protocol	ONVIF
Smart Event	Line crossing, region intrusion / entrance / exiting (human / vehicle classification), loitering detection, illegal parking detection, abandoned / missing object detection

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SPECIFICATIONS

Statistics	Target counting by line / area, heat map
Exception Detection	Scene change, video blur and abnormal color detection, audio exception
Storage	Built-in micro SD card slot; up to 512GB; Network remote storage
D.O.R.I.	2.8mm: Detect: 191' (58m), Observe: 76' (23m), Recognize: 38' (12m), Identify: 19' (6m)
Reset	Yes
Alarm	2CH alarm input; 2CH alarm output
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, disarming, ANR, cloud upgrade
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP/API
PoE	Yes, IEEE802.3af
Environmental Protection	Directive EU RoHS, WEEE (2012/19/EU), directive 94/62/EC and REACH (EC1907/2006)
Power Supply	DC12V / PoE
Power Consumption	< 9.5W
Network	RJ45 10M/100M self-adaptive Ethernet port
Operating Conditions	-22°F~140°F (-30°C ~ 60°C), Humidity: less than 95% (non-condensing)
Ingress Protection	IP66 & IK10
Installation	Ceiling or Wall Mounting
Certifications	CE, FCC
Dimensions	6.51" x 3.83" x 2.83" (165.4 x 97.4 x 72mm)
Weight	1.66lbs. (0.755KG)

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OPTIONAL JUNCTION BOX



VT-TJB208
Optional Junction Box for
Cable Management

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 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: VTD-TND2X4DA-2									
[VTD]	[T]	[N]	[D]	[2]	[X]	[4]	[D]	[A]	[2]
VITEK Dome	TRANSCENDENT	Network	Dome	2 Sensors	Multipled by	4MP/ Sensor	Dual	Analytics PLUS	2.8mm