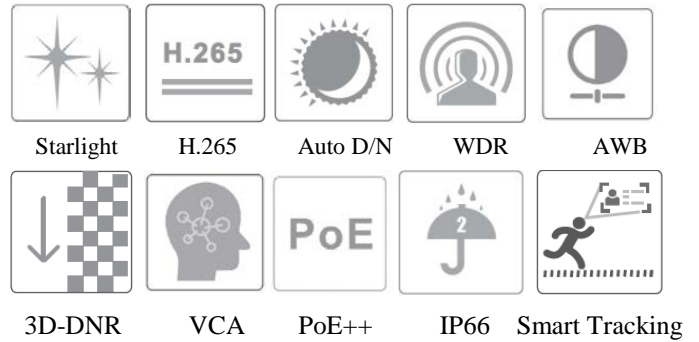


2MP 25X Starlight IR 150m Network PTZ Camera



VTD-8523IE2 (PE/25M/AR15)



System

VTD-8523IE2 (PE/25M/AR15), 2MP 25x Starlight IR Network PTZ camera, is TVT 2nd generation of AI detection and tracking PTZ, for wide range of intrusion and perimeter protection applications. The image sub-system is designed and fine-tuned for more reliable AI analysis and recognition results. Upon detecting illegal intrusion, the camera will trace it until the object leave out of restricted regions. This model could recognize max 15 objects per second, recognize human faces up to 160m distance or record human behaviors up to 635m in most scenarios.

Key Spec:

- 1/2.8" progressive scan CMOS, SONY 3rd gen
- Up to 1920x1080@50/60fps resolution
- Mini illumination:
 - Color: 0.005 lux @ (F1.65 AGC ON)
 - B/W: 0.001 lux @ (F1.65 AGC ON)
 - 0 Lux with IR
- 25x optical zoom, Accurate and fast focusing
- WDR, 3D DNR, Smart IR
- Up to 150m IR distance
- H.265+/H.265/H.264+/H.264 video compression
- Intelligent video content analytics
- IP66, -40°C~65°C, Aluminum Alloy & Plastic
- PoE++ (802.3.bt, class 6) and DC24V/AC24V
- ONVIF, API and SDK
- Mobile surveillance app: iOS and Android, P2P

Application:

Wide range area intrusion, perimeter protection and alarm, such as parks, scenic spots, stations and venues, industrial park.

SPECIFICATION:

Camera Module				
Image sensor	1/2.8" progressive scan CMOS,SONY 3 rd gen STARVIS			
Mini. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON); B/W: 0.001 Lux @(F1.16, AGC ON); 0Lux with IR			
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB etc. adjusted by client software/browser			
Shutter Speed	50Hz: 1/25 s – 1/25,000 s; 60Hz: 1/30s-1/30,000s			
White Balance	Auto/Manual/Indoor/Outdoor			
Gain Control	Auto/Manual			
Day & Night Control	Auto/Manual			
Iris control	Auto/Manual			
SNR	≥55 dB			
Image Enhancement	BLC,HLC,WDR(HDR)			
Privacy Mask	4 Programmable privacy masks			
Picture overlay	Logo picture could be overlaid on video with 128x128 pixels,24bits BMP format			
OSD overlay	max 15 characters/line, 8 lines, white or red font color			
Lens				
Focus length	f=4.8-120mm lens,25x optical zoom			
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)			
Field of View	Horizontal: 55° ~2.4° ; Vertical: 35° ~ 1.4° ; Diagonal: 61.5° ~ 2.8° (wide-tele)			
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF			
Iris-type	DC Auto Iris with HALL sensor, 16 stops, F1.65-F3.8 (Wide-tele)			
IRCut Type	Switchable IRCut filter for seamless day/night switching			
DORI distance	Detect	Observe	Recognize	Identify
	1600m (5249 f.t.)	635m (2083 f.t.)	320m (1050f.t.)	160m(525f.t.)
PTZ				
Pan Range	360°endless			
Pan speed	Configurable, from 0.1~120°/s; Preset speed: 150°/s			
Tilt Range	From -3° to 90°			
Tilt Speed	Configurable, from 0.1°~ 120°/s, Preset speed: 150°/s			
Proportional Zoom	Yes			
Preset	360			
Cruise	8 cruises, up to 16 presets for each cruises			
Trace	4 traces, record time over 3 minutes for each trace			
Power off memory	Support			
Action mode	Preset/Cruise/Trace/Auto Scan/Random Scan			
3D Positioning	Support			
PTZ Position Display	Support			
Schedule Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot			
IR				
IR Distance	150m (492 f.t.)			
Smart IR	Yes			
Network				
Max Resolution	1920×1080P			
Main stream*1	PAL: 50/25fps (1920×1080,1280×960,1280×720) ; NTSC: 60/30fps(1920×1080,1280×960,1280×720)			
Sub stream	PAL: 25fps (704 × 576, 640 × 480, 352 × 288); NTSC: 30fps (704 × 480, 640 × 480, 352 × 240)			
Third Stream	PAL: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) NTSC:30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)			
Video compression	H.265+/H.265/H.264+/H.264/MJPEG			
H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1			
H.265 Standard	H.265/HEVC codec MP, level 5.0			
Video Bit Rate	64Kbps to 16Mbps			
Audio compression	G.711 A/U			

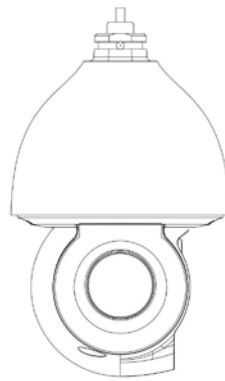
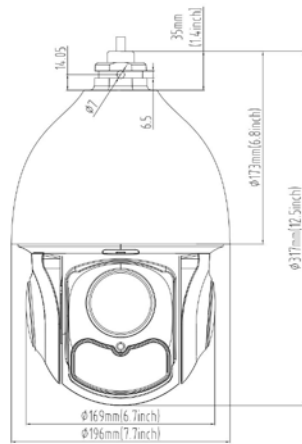
Audio Bit Rate	64Kbps
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP,DHCP, PPPoE
User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
Smart Features	
Basic event	Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)
Face recognize	Detecting max 15 faces at same scene. Detecting, tracking, capturing
Road traffic	Vehicle detecting and tracking, license Platte number recognize*2,etc.
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, etc.
Smart Tracking	Smart tracking of human or vehicle, auto/manual
System Integration	
Alarm Interface	1 Alarm input(DRY connection); 1 Alarm output
Audio Interface	1 audio input(MIC in); 1 audio output, line level, impedance,600Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.bt,class 5)
Storage	One MicroSD/SDHC/SDXC card slot, up to 256GB
BNC	N/A
RS 485	N/A
Reset button	Yes
Heater &Fan	Built-in heaters(support -40°C working) and turbo fan
Water removal	Heat the air to lens glass to remove fog, ice-frost; Self quick spin to remove water
API	ONVIF, TVT SDK and third-party
Client	TVT NVR N9000 1.4.5 and later; NVMS 2.0 and later; Free Android and iOS mobile app
Web Browser	IE(8-11)
General	
Languages	Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese.
Power	DC24V,AC24V or PoE++ (802.3.bt, class 6), (Max 34W, include IR+PTZ working)
Working condition	-40°C ~ 65°C (-48°F ~ 149°F) IR off;-40°C ~ 45°C IR on; Cold start - 30°C(0.5H waiting), 90%RH
Storage condition	-40°C ~ 65°C ; ≤ 95% RH
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Main body and cover: Aluminum Alloy ; connection and decoration: Plastic
Dimensions	Φ 196mm × 317mm (7.7 inch Φ × 12.5 inch)
Weight	Approx. 3.7 Kg (8.31 lb.)
Certification	IP66,ROHS,CE,FCC,BIS,UL

*1: when at high frame rate mode above 50/60fps , IR distance is shorten and AI is disable.

Ordering information

VTD-8523IE2(PE/25M/AR15)	25x 2MP Starlight IR 150m Network PTZ Camera, IP66,-40°C~65°C, DC24V/AC24V/PoE++, not include power adaptor and bracket
--------------------------	---

Dimensions:



Unit:mm/inch

Accessories:



VTD-YZJ0808
Wall mounting bracket



VTD-YZJ0808+VTD-YZJ0501
Pole mounting bracket



VTD-YZJ0808+VTD-YZJ0601
Corner mounting bracket



VTD-YZJ0807
Pendant mounting bracket



VTD-YZJ0311
Wall mounting bracket with box



VTD-YZJ0312
Pole mounting bracket with box



VTD-YZJ0313
Corner mounting bracket with box



VTD-YZJ0305
Wall mounting bracket
(Not recommend for new project)



VTD-YZJ0305+YZJ0501
Pole mounting bracket
(Not recommend for new project)



VTD-YZJ0305+YZJ0601
Corner mounting bracket
(Not recommend for new project)



FJ-SW20172402500 (UL/CE/FC/BIS...)
DC24V/2.5A Power adaptor



LAS60-57CN-RJ45
60Watt PoE++ Midspan



MKAC-66-243000U(USA)
MKAC-66-243000V(EU)
MKAC-66-243000VB(UK)
MKAC-66-243000M(CN)
AC24V/3A power adaptor



ONV-POE34064PFM
60Watt PoE++ Network Switch



VTD-K23
Keyboard with PTZ control Stick