

4-Inch 2MP 25X Smart Tracking PTZ



VTC-S21-IR-25X



Smart-Tracking



Starlight



Smart IR



Auto Day/Night



PoE+



IP66



H.265



System

VTC-S21-IR-25X 2MP 25x Network IR speed dome camera is an entry level AI detection and tracking PTZ for wide range of intrusion and perimeter protection applications. Upon detecting illegal intrusion, the camera will trace, zoom fit in pictures, and recognize it, until the object leaves out of regions. VTC-S21-IR-25X adopts latest AI Lens, AI SOC and Sony 6th generation of Starvis sensor, provide top-notch image quality and reliable AI recognition results. Comparing by VTC-S21-IR-25X the VTC-S21-IR-25X(generation 2) has stealth driving technology, the PTZ rotated smoothly, when tracing objects.

Key Spec:

- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 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
- Smart IR, Up to 150m IR distance
- Smart H.265/H.264 video compression
- 0.5 Tops Deep-learning Engine/4G EMMC
- Smart tracking of human/vehicle
- Smart detection and perimeter protection
- Stealth driving technology
- IP66, -30°C~55°C, Allium Alloy+ PC/GF
- PoE+ (802.3.at) and DC12V
- ONVIF, API and SDK

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
Mini. Illumination	Color: 0.005Lux @ (F1.65, AGC ON); B/W: 0.001Lux @(F1.65, AGC ON); 0 Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
Shutter Speed	1/1 s – 1/100,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	IR Cut filter
Privacy Mask	Not supported by ver5.01 and supported by ver5.10
3D DNR	Auto/Manual
Image Enhancement	HLC, BLC, DWDR
Picture overlay	Logo picture could be overlaid on video with 128x128pixels, 24bits jpg format
Lens	
Focus length	f=4.8-120mm lens, 25x optical
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)
Field of View	Horizontal: 57.6° to 2.5°(wide-tele); Vertical: 34.4° to 1.4°(wide-tele); Diagonal: 64.5° to 2.9°(wide-tele)
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF
Aperture Range	F1.65 ~ F3.8 (wide-tele)
PTZ	
Pan Range	360°endless
Pan speed	Configurable, from 0.4~80°/s; Max Preset speed: 80°/s
Tilt Range	From -5° to 90°
Tilt Speed	Configurable, from 0.4°~ 80°/s, Max Preset speed: 80°/s
Proportional Zoom	Yes
Preset	360
Cruise	8 cruises, up to 16 presets for each cruises
Track	4 tracks, record time over 3 minutes for each track
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/Auto Scan/Random Scan /Dome reboot
IR	
IR Distance	150m
Smart IR	Yes, support facial priority and CPL priority
Network	
Max Resolution	1920x1080
Main stream	1920x1080 ,1280x720 25/30fps
Sub stream	25fps (1280 × 720, 704 × 576 , 352 × 288); 30fps (1280 × 720, 704 × 480, 352 × 240)
Third Stream	25fps (704 × 576, 480 × 240, 352 × 288) ; 30fps (704 × 480, 480 × 240, 352 × 240)
SVC	Yes
Video compression	Smart H.265/H.264/MJPEG
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
Simultaneous live view	Up to 6 channels
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 detection	Default off, support max 15 human faces detection per second, support face comparison
Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Scene change detection, Support alarm triggering by human or vehicle, filtering flag/animal.
Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)
System Integration	
Alarm Interface	None
Audio Interface	None
Alarm Linkage	Alarm actions, such as Preset, Cruise, Track, 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.at)
CVBS	None
RS 485	None
Storage	SD card slot inside, support microSD/SDHC/SDXC, up to 256G
API	ONVIF, support SDK and third-party management platform
Client	NVR 1.4.5, TVT NVMS 2.0; and the third-party client
Web Browser	IE8-11
General	
Power	DC12V or PoE+ (802.3.at, class 3), (Max 22W, include IR on, Heater on, Fan working)
Working condition	-30°C ~ 55°C (-22°F ~ 131°F), 90%RH less (non-condensing), Cold start at -20°C
Storage condition	-40°C ~ 65°C ; ≤ 95% RH
Protection	IP66, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy; Plastic +Glass Fiber 10%
Dimensions	Φ 173mm × 247mm (6.8' Φ × 9.7')
Weight	Approx. 2.1 Kg (13.22 lb.)
Certification	IP66, ROHS, CE, FC
App version	Ver5.01

DORI table

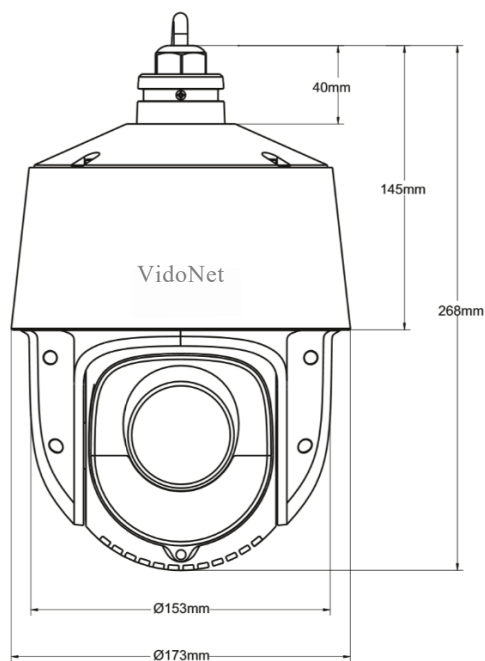
It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Define	25Pixels /meter	63Pixels/meter	125Pixels/meter	250pixels/meter
Distance	1600m	635m	320m	160m

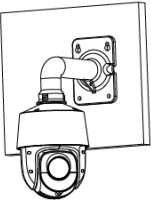
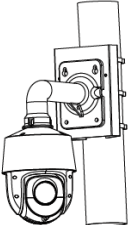
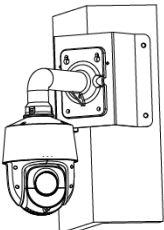
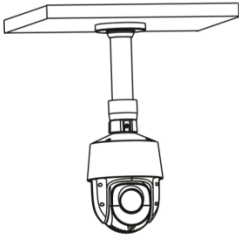
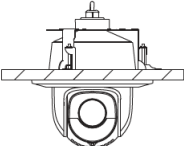
Ordering information

Camera	VTC-S21-IR-25X	4-inch 2MP 25X Network 150m IR Speed Dome Camera, Smart Tracking, DC12V/PoE+, IP66, -30°C~55°C, Not include Power adaptor and Bracket
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Dimensions:



Mounting Brackets Options:

VTC-YZJ0808 Wall mount	VTC-YZJ0808+YZJ0501 Pole Mount	VTC-YZJ0808+YZJ0601 Corner Mount	VTC-YZJ0807 Pendant mount	VTC-YZJ0701E In-ceiling mount
				

Accessories:

(Optional)



VTC-YZJ0808
Wall mount bracket



VTC-YZJ0808 + YZJ0501
Pole mount bracket



VTC-YZJ0808 + YZJ0601
Corner Mount bracket



VTC-YZJ0807
Pendant mount bracket



VTC-YZJ0701E
In-ceiling mount bracket



VidoNet VT-G30WPI
PoE Injector



VidoNet VT-G04TP
PoE+ Network
Switch



VTC-VKBK23
Network Joystick

*PoE+ Class NVR models:

Please contact your local sales for more information about production details.

*** All pictures and texts are for reference only. Actual product may vary due to product enhancement.**