

VSTh IPT4SD32IR300

Thermal Network speed dome



- Resolution: 384 × 288
- 12μm, NETD: ≤ 35mK(@25°C, F#=1.0)
- Temperature range: -20°C~150°C
- Multi-palette: whit hot, black hot, rainbow, iron oxide red, etc.
- 200~300m IR view distance
- Ultra fast rotation and tracking speed
- Superior low light performance
- Supports intelligent analytics: Line crossing detection, region intrusion, etc.
- Supports temperature measurement, fire detection
- Deep-learning engine, support human/vehicles detection, auto-tracking
- IP66 Water immersion / IK10/6KV Surge protection, 7×24H harsh weather
- Confirms to data protection regulations of major countries

Specifications

Model	VSTh IPT4SD32IR300
Thermal Module	
Detector Type	12 μm 384×288 Uncooled Infrared Focal Plane detector
Response Waveband	8 μm – 14 μm
NETD	≤35mK(@25 °C, F#=1.0)
IRIS Type	Fixed IRIS
Lens	25mm@F1.0
Field of View (H×V)	10.5 ° × 7.9 °
Color Palettes	Black hot, white hot, rainbow, iron oxide red, etc.
Visible Light Module	
Image Sensor	1/2.8" CMOS
Max. Resolution	2560×1440
Electronic Shutter	50Hz: 1/25s-1/25,000; 60Hz: 1/30s – 1/30,000s
Min. Illumination	Color: 0.01 Lux @(F1.65, AGC ON); B/W: 0.002Lux@(F1.65, AGC ON); 0 Lux with IR
Focus length	f=4.8-154mm,32x optical zoom
Field of View (H×V)	Horizontal: 59.38 °~ 2.28 °; Vertical: 35.74 °~ 1.29 °; Diagonal: 66.28 °~2.61 °
Aperture Range	F1.65-F4.70(W-T)
Aperture Control	Auto/Manual
Zoom Speed	Approx. 4.4s
Image	
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR/CBR
Bit Rate	128Kbps ~ 8Mbps
Resolution	Optical: 4M(2560×1440), 1080P(1920×1080), 720P(1280×720), D1, CIF, 480x240 Thermal : 384×288(the resolution of output image is 720P/D1/CIF/480×240)
Main Stream	Optical: 50Hz: 2560 ×1440,1920 ×1080,1280 ×960,1280 ×720(1~25fps) 60Hz: 2560 ×1440,1920 ×1080,1280 ×960,1280 ×720 (1~30fps) Thermal: 720P/D1/CIF/480x240 (1~25fps)
Sub Stream	Optical: 60Hz: 720P/D1/CIF(1~30fps); 50Hz: 720P/D1/CIF(1~25fps) Thermal : D1/CIF/480×240(1~25fps)
Third Stream	Optical: 60Hz: D1/CIF/480×240 (1~30fps); 50Hz: D1/CIF/480×240 (1~25fps) Thermal : D1/CIF/480×240(1~25fps)
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser
Image Overlay	Temperature can be overlaid on the thermal image
Audio Compression	G711A/U
ROI	No
Interface	
Network	RJ45
Video Output	No
Audio	1CH audio input; 1CH audio output
Storage	Built-in micro SD card slot, up to 256GB

Reset	Yes
RS485	No
Alarm	1CH alarm input; 1 CH alarm output
Function	
Temperature Measurement	Temperature Range: -20°C~150°C
	Temperature Accuracy: $\pm 8^{\circ}\text{C}$ or $\pm 8\%$
Temperature Alarm	10 rules in total (Point up to 10; Line: up to 10; Area: up to 10)
	Over temperature alarm, low temperature alarm;
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	Web browser / NVMS/NVR/Mobile APP
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, RTMP, SNMP, 802.1x, UPnP, HTTPS, HTTP POST, P2P, Qos
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection, video exception, audio exception
Intelligent Analytics	Optical: region intrusion/entrance/exiting detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), target counting by line (human/motor vehicle/non-motor vehicle classification), face detection Thermal: fire detection, temperature exception alarm, region intrusion/entrance/exiting detection/line crossing detection (human/motor vehicle classification) AI function can be enabled simultaneously on thermal and optical channels
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection
PoE	Yes, IEEE802.3bt
IR Distance	200~300m
Ingress Protection	IP66
Others	
Power	AC24V/DC24V, 2500mA, or PoE++ (802.3bt)
Power Consumption	Avg.24W, max 35W, include IR 12W
Working Environment	-30°C ~ 60°C ; $\leq 95\%$ (non-condensing)
Dimensions(mm)	$\Phi 302 \times 197$
Weight(net)	Approx. 3KG
Certificate	CE, FCC
Installation	Wall mounting; ceiling mounting

Dimensions

