

CCTV IP / Professional IP cameras

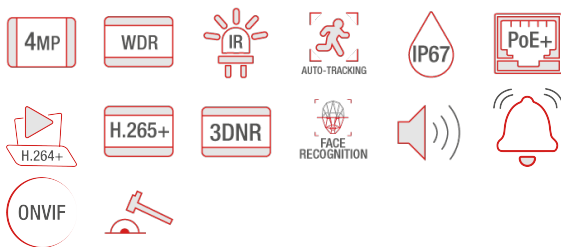
SF-IPSD1003ITA-4I1

SF-IPSD5040ITA-4I1

Ultra Low Light Speed Dome

Optimal definition and highest quality with resolution up to 4K. Optical zoom up to 45X for unparalleled detail in recordings, unaffected by scene conditions, as Ultra Low Light technology and 120dB wide dynamic range ensure the best possible view. Automatic detection and tracking (Available on models with Auto-Tracking function only) technology, keeping the target under control at all times.

- MiniPTZ IP Camera I1 Artificial Intelligence
- Resolution 4 Megapixel (2560x1440) | WDR 120 dB
- Optical zoom 3X | IR 30m
- Autotracking, human and vehicle | Alarms
- IP67, IK10 PoE+ (IEEE802.3at)



Technical Specification

Camera Module	
Image Sensor	1/2.7" progressive scan CMOS image sensor, with BSI and NIR+ technology
Max. Resolution	2880x1620
Mini. Illumination	Color: 0.02 Lux @ (F1.6, AGC ON) 0.004 Lux @ (F1.6, AGC ON); 0 Lux with IR
Image Settings	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client
Shutter Speed	50Hz: 1/25s~1/25,000s, 60Hz: 1/30s~1/30,000s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	Auto/Manual
Aperture control	N/A
S/N Ratio	≥52dB
3D DNR	Auto/Manual
AE Enhancement	BLC, HLC, WDR(120dB)
Digital Zoom	8X
Privacy Mask	4 Programmable privacy masks, up to 8 per request
Picture overlay	Logo picture could be overlaid on video with 128x128pixels, 24bits JPG format)
Font overlay	Max 15 characters per line, 8 lines max, white color or red color
OSD	Time, Date, Device Name, Zoom ratio, Direction(N/S/E/W), PTZ Status, etc.
Lens	
Focus length	f=2.7-8.1 mm(wide-tele) ±5%, 3x optical zoom AF lens
Zoom Speed	1 second(Wide->tele)
Field of View	Horizontal: 113.6°(W)-44.3°(T); Vertical : 59.6°(W)-24.9°(T) ; Diagonal: 137.4°(W)-50.8°(T)
Mini View Distance	6cm(W) ~ 32cm(T)
Aperture Range	F1.6 ~ F2.7 (wide-tele) ±10%
IR Cut filter	Electrical switchable ICR
DORI distance	2.7mm (W): D: 54m(177 f.t), O: 21.4m(70.2 f.t), R: 10.8m(35.4 f.t), I: 5.4m(17.7 f.t) 8.1mm (T): D: 162m(532 f.t), O: 64.3m(211 f.t), R: 32.4m (106.3 f.t), I: 16.2m(53 f.t)
PTZ	
Pan Range	0~355°
Pan speed	Configurable, from 0.5~80°/s; Preset speed: 80°/s

Tilt Range	From 15° to 90°(auto flip at 90°)
Tilt Speed	Configurable, from 0.5°~ 80°/s, Preset speed: 80°/s
Pan/Tilt intervals	30/60/120/180/240 seconds, selectable. Customized per request
Proportional Zoom	Yes
Preset	1~99
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

Supplement Light

IR Distance	Up to 30m, 4pcs 940nm
Smart IR	Yes

Network

Main stream	25fps:(2880x1620,2560x1440, 2048x1536, 1920x1080, 1280x960, 1280x720); 30fps:(2880x1620,2560x1440, 2048x1536, 1920x1080,1280x960,1280x720)
Sub stream	25fps (704 × 576, 640 × 480, 352 × 288) 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video compression	Smart H.265+/H.265/H.264+/H.264/MJPEG
H.264 Encoder	H.264/AVC codec BP/MP/HP, level 5.1
H.265 Encoder	H.265/HEVC codec MP, level 5.0
Video bit rate	H.264: 128 kbps–16,384 kbps; H.265: 51 kbps–12,288 kbps
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,P2P
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
API	ONVIF G/S/T, support TVT SDK and third-party management platform
Client	TVT N9000 1.4.7, TVT NVMS 2.0; and the third-party client, free iOS and Android App
Web Browser	IE8-11 with plug-in; Edge, Chrome, Firefox with plugin free

Smart Features

Basic event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)
Face recognize	(Default off) human face detection and capture and face comparison. (max 15 IDs per scene)
Road traffic	Vehicle detecting and tracking, etc.
Smart Detection	Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request.
Smart Tracking	Smart tracking of human or vehicle, auto/manual/Quick pick someone(ver 5.1.3)

System Integration

Audio Interface	1CH audio input, 2 to 2.4v[p-p] 1K Ω $\pm$ 10%,bare Wire; 1CH audio output (line out), impedance: 600 Ω ,bare wire
Built-in mic	1-ch mic
Built-in Speaker	N/A
Audio device switch	Default use built-in MIC, manually switch to external
Alarm interface	1CH alarm input(DRY Connection); 1CH alarm output
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)
Storage Slot	Card chamber, support microSD/TF card, up to 256GB
Serial interface	No RS485/RS232
Auxiliary video	N/A
Reset button	Yes
Heat and Fan	N/A
Water removal	Dust and Water-resistant coating for dome cover

General

Languages	Czech; English, German; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese. etc.
Power	DC12V $\pm$ 20% 2000mA or PoE(802.3.af). avg 7Watt;max 12Watt (IR + PTZ working)
Working condition	-30°C ~ 60°C (-22°F ~ 140°F) IR off, -30°C ~ 40°C IR on; Cold start $\geq$ - 20°C(1Hour waiting), $\leq$ 90%RH
Storage condition	-40°C ~ 65°C ; $\leq$ 95% RH
Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Shield Material	Main body: Aluminum Alloy(ADC12); Bubble: Polycarbonate
Dimensions	Φ 116mm x 75mmH (Φ 4.56 $\times$ 2.95 Φ)
Net Weight	Approx. 463g (1 lb.)
Certification	IP67,NEMA4X,IK10(include lens bubble), ROHS,CE,FC,UKCA,KC,BIS