

CCTV IP / Professional IP cameras

SF-IPSD4015IT-2E1

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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.

- IP PTZ gamma camera E1 Artificial Intelligence
- Resolution 2 Megapixel (1920x1080)
- Optical zoom 15X | IR 200m
- Autotracking, human and vehicle
- Waterproofing IP66 | PoE (IEEE802.3af)



Technical Specification

Camera Module	
Image Sensor	1/2.8" progressive scan CMOS image sensor, with BSI and NIR++
Max resolution	1920x1080
Mini. Illumination	Color; 0.002Lux @ (F1.6, AGC ON); B/W; 0.0004Lux @(F1.6, AGC ON); 0Lux with IR
Image Setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client
Shutter Speed	60Hz: 1/30s – 1/30,000s; 50Hz: 1/25s~1/25,000s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night control	Auto/Manual ,time schedule.(threshold:0.1lux)
Iris control	Auto/Manual, 16 steps adjustable.
SNR	≥52dB
3D DNR	Auto/Manual
AE Enhancement	BLC, HLC, 120dB WDR/HDR
Electronical Stabilizer	N/A(No gyro-scope)
Privacy Mask	4 areas, up to 8 mask per request.
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits format
OSD overlay	Max 15 characters/line, 8 lines, white or red font color
Lens	
Focus Length	f=5-75mm lens,15x optical zoom
Zoom Speed	Approx. 2.4s (optical zoom, wide-tele)
Field of View	Horizontal: 54° ~ 4° ;Vertical: 32° ~ 2.3°;Diagonal: 64.5° ~4.6°.(Wide-Tele), ± 5%
Image distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF
Aperture Range	Max F1.6
Iris Type	DC_IRIS
IRCut type	Removable IRCut filter
DORI distance	Focus length Detect Observe Recognize Identify f=5mm 73m(239.5 f.t.) 29m(95.1 f.t.) 14.6m(47.9 f.t.) 7.3m(23.95 f.t.) f=75mm 883m(2897 f.t.) 350.4m(1149 f.t.) 176.6m(579.4 f.t.) 88.3m(289.7 f.t.)
PTZ	
Pan Range	360°endless
Pan Speed	Configurable, from 0.1~80°/s; Preset speed: 80°/s

Tilt Range	From -10° to 90°,auto flip
Tilt Speed	Configurable, from 0.1°~ 80°/s, Preset speed: 80°/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	200m (492 f.t.) ,850nm, 6 IR
Smart IR	Yes

Network

Main Stream	50Hz: 1920 ×1080,1280 ×960,1280 ×720 @25fps; 60Hz: 1920 ×1080,1280 ×960,1280 ×720 @30fps
Sub Stream	50Hz: 704 × 576, 640 × 480, 352 × 288 @25fps; 60Hz: 704 × 480, 640 × 480, 352 × 240 @30fps
Third Stream	50Hz: 1920 × 1080,1280 × 960,1280 × 720, 704 × 576, 640 × 480, 352 × 288 @25fps 60Hz: 1920 × 1080,1280 × 960,1280 × 720, 704 × 480, 640 × 480, 352 × 240 @30fps
Video Compression	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	64Kbps to 16Mbps
Audio Compression	N/A(G.711 A/U)
Audio Bit rate	N/A(64K bps)
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, 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 1.4.5, 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 Recognition	Default ban (Open per local policy and request)
Road Traffic	Vehicle detecting and tracking
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

System Integration

Alarm interface	N/A
Audio Interface	N/A
Alarm Linkage	Alarm actions, such as Preset, Cruise, Track, Memory Card Video Record, Trigger Recording, Upload to FTP/Memory Card, Send Email, etc.
Network Interface	1 RJ45 10M/100M Adaptive Ethernet ,Support PoE(802.3.af,class 3)
SD Card Slot	One MicroSD slot, up to 256G
RS 485	N/A
BNC	N/A
Built-in Speaker &Mic	N/A
Reset button	Yes
Built-in Heater &Fan	N/A
Water removal	Support (built-in raindrops eyebrow, lotus coating glass, quick-spinning)
Frost removal	Desiccant, Vacuumize
Ice removal	N/A

General

Languages	Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese, etc.
Power Supply	DC12V±25%,2000mA ,PoE (802.3.af, class 3), max 12W include IR ON+PTZ working
Working Condition	-30°C ~ 65°C (-22°F ~ 149°F), IR OFF; -30°C ~ 45°C(-40°F ~113°F), IR ON; Cold start at - 20°C (0.5-1 hour waiting); 90%RH
Storage Condition	-40°C ~ 70°C ; ≤ 95% RH
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Shield Material	Front cover: Aluminum Alloy; Main body: PC+GF15%;Decorating parts: PC+ABS/GF
Dimensions	173mm × 268mm (6.8 inch × 10.55 inch)
Net Weight	Approx. 2.0 Kg (4.4 lb.)
Certification	IP66,IK10(excluding glass window),ROHS,CE,FC