Suprema®

SP-8443IS

Produced by TVT

Smart Tracking

Starlight

True WDR

Auto Day/Night

3D DNR

PoE+

IP66

H.265

CE FC ONVIF

Features

- 1/2.5″ Progressive Scan CMOS
- Up to 2560×1440 resolution
- 25x optical zoom, 16x digital zoom
- 120 dB WDR, 3D DNR, Smart IR
- Up to 100m IR distance
- Smart H.265/H.264 video compression
- 1.0 Tops Deep-learning Engine
- Smart tracking of human/vehicle
- Smart detection and perimeter protection
- IP66,-30°C~55°C, ADC12 + PC/GF
- PoE+ (802.3.at, class 3) and DC12V
- ONVIF, API and SDK

4 MP 25X Smart Tracking Starlight Speed Dome

Specifications

Camera Module	
Image sensor	1/2.5" progressive scan CMOS
Mini. Illumination	Color：0.01Lux @ (F1.65, AGC ON)；B/W：0.002Lux @(F1.65, AGC ON);0Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
Shutter Speed	1/1 s – 1/10,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	IR Cut filter
Digital Zoom	16x
Privacy Mask	4 Programmable privacy masks
3D DNR	Auto/Manual
BLC	Yes
HLC	Yes
WDR	120 dB
Defog	Electronic
Regional Exposure	No
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format
Lens	
Focus length	f=4.8-120mm lens,25x optical
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)
Field of View	Horizontal:55° to 2.4°(wide-tele)
	Vertical: 33° to 1.4°(wide-tele)
	Diagonal: 61.5° to 2.8°(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 0.1~80°/s; Preset speed: 80°/s
Tilt Range	From -5° to 90°
Tilt Speed	Configurable, from 0.1°~ 80°/s, Preset speed: 80°/s
Proportional Zoom	Yes
Preset	300
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/Random Scan/Boundary Scanning /Dome reboot
IR	
IR Distance	100m
Smart IR	Yes

4 MP 25X Smart Tracking Starlight Speed Dome

Specifications

Network	
Max Resolution	2560x1440
Main stream	2560x1440, 2048x1536, 1920x1080, 1280x960,1280x720 （25/30fps）
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)
SVC	Yes
Video compression	Smart H.265/H.264/MJPEG
Audio compression	G.711 A/U
Audio Enhancement	No
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, exception (network disconnected, IP address conflict, SD full, SD error) ,
Face recognize	Default off, max 30 human faces per second.
Face compare	Default off
People Density	Not support by this version
Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Object removal detection(object left/missing), Scene change detection, Video blur detection, Video color cast 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	On-Body memory card slot, support microSD/SDHC/SDXC, up to 256G
API	ONVIF, support TVT SDK and third-party management platform
Client	TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client
Web Browser	IE8-11, Chrome41.0-44, Firefox30.0-51, Safari8.0-11
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;PC+GF10%
Dimensions	Φ 173mm × 247mm (6.8" Φ × 9.7")
Weight	Approx. 2.1 Kg(13.22 lb.)
Certification	IP66,ROHS,CE,FC
Active	Hi3516DV300+AR0522 Chipsets

Dimensions