SeeThru **SMART**

STI-PZ150IR25X-1080PS

2 MP

FEATURES

H.265 | True WDR | Smart Tracking | Starlight | POE | IP 66 | Auto Day/Night | 3D DNR

System

STI-PZ150IR25X-1080PS 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 it until the object leave out of restricted regions. The image sub-system is re-designed and fine-tuned for more reliable AI analysis and recognition results. This model could recognize max 15 objects per second, trace and zoom fit in pictures, recognize human faces up to 320m distance in most scenarios, or record human behaviors up to 1600m.

Key Spepcifications

- 1/2.8" progressive scan CMOS
- Up to 1920×1080 resolution
- **Mini illumination:**
  Color: 0.005 lux @ (F1.6 AGC ON)
  B/W: 0.001 lux@ (F1.6 AGC ON)
  0 Lux with IR
- 25x Optical Zoom, 16x Digital Zoom
- 120 dB WDR, 3D DNR, Smart IR

- Up to 150m IR Distance
- Smart H.265/H.264 Video Compression
- 0.5 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

Camera Module

Image Sensor	1/2.8"progressive scan CMOS
Mini. Illumination	Color: 0.005 Lux @ (F1.65，AGC ON)；B/W: 0.001Lux @(F1.65，AGC ON) 0Lux with IR
Image Setting	Flip, Mirror, Saturation, Brightness, 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	No
3D DNR	Auto/Manual
BLC	Yes
HLC	Yes
WDR	120 dB
Defog	Electronic
EIS	Yes
Regional Exposure	No
Picture Overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format

Lens

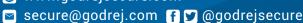|	
Focus Length	f=4.8-120mm lens,25x optical
Zoom Speed	Approx. 3.6s (optical zoom, (Wide-Tele)
Field of View	**Horizontal:** 57.6° to 2.5°(wide-tele), **Vertical:** 34.4° to 1.4°(Wide-Tele)
	Diagonal: 64.5° to 2.9°(Wide-Tele)
Working Distance	**Wide:** 1.0m ~ INF; **Tele:** 1.5m ~ INF
Aperture Range	F1.65 ~ F3.8 (Wide-Tele)

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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	360
Cruise	8 Cruises, up to 16 Presets for each cruises
Trace	4 Tracks, Record time over 3 minutes for each track
Power off Memory	Support
Action Mode	Preset/Cruise/Track/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Schedule Task	Preset/Cruise/Track/Random Scan/Boundary Scanning /Dome reboot IR IR

IR

IR Distance	150m
Smart IR	Yes

Network

Max Resolution	1920×1080
Main Stream	1920×1080, 1280×720 25/30fps
Sub Stream	25fps (720P, 704 × 576, 352 × 288) ; 30fps (720P, 704 × 480, 352 × 240)
Third Stream	25fps (704 × 576, 640 × 480, 352 × 288); 30fps (704 × 480, 640 × 480, 352 × 240)
SVC	Yes
Video Compression	H.265/H.264/MJPEG
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, video exception alarm, SD card full, SD card error
Face Recognize	Default off, max 15 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, Scene change detection, target counting, Support alarm triggering by human or vehicle, filtering flag/animal.
Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)

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System Integration

Alarm Interface	None
Audio Interface	None
Alarm Linkage	Alarm actions, 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.at)
CVBS	None
RS 485	None
Storage	On-Body memory card slot, support microSD/SDHC/SDXC, up to 256G
API	ONVIF, Support Godrej SDK and third-party management platform
Client	Godrej N9000 1.4.5, Godrej 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.)
Certificate	BIS
Compliant	CE, FCC
Active	Hi3516CV500+IMX462 Chipsets, active till 2022.Dec.

DORI Distance

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

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