No.1 Integrated Video Security Solution





WEBGATE



Intelligent Network Camera

NT4100PT-IR-Z37W

PTZ I Optical 37x I AI Object Detection I ONVIF I H.265 I PoE+

Key Features

- · 1/2.8" Sony STARVIS CMOS sensor
- · 4MP(2560×1440) resolution
- · 37x(5.6~208mm) optical zoom
- · Low luminance OLux (IR LED on)
- · Smart IR / IR distance Max. 500m
- · Deep-learning Engine
- · AI-based object detection and tracking (person/vehicle)
- \cdot Smart detection and border protection
- \cdot Applying stealth technology
- · H.265 / H.264
- · DC 24V / PoE+(802.3.bt)
- · IP67, IK10

Tech Note

AI SoC and high-sensitive Image Sensor

By applying AI SoC and Sony STARVIS CMOS sensor, the bright and clear image quality is implemented even in low-light environments and reliable AI results are provided

Smart Tracking

Deep-learning based engine can detect objects (person / vehicle) If illegal intrusion is detected, follow up with PTZ camera till it is out of the limited area

Stealth Technology

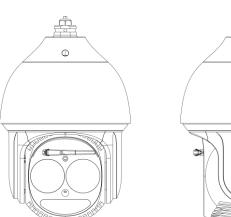
Stealth driving technology allows smooth rotation and PTZ operation without vibration

H.265 supports

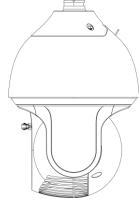
By high efficient compressing images, it can save up to 80% of bandwidth and storage space compared to H.264

ONVIF supports

ONVIF, a standard protocol, for compatibility and interoperability with third-party software and systems



Dimension



(\$\$\Phi 278 \times 435mm)

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Image Sensor1/1.8" progressive scan CMOSMini, IlluminationColor : 0.005Lux @ (F1.5 , AGC ON) B/W : 0.001Lux @ (F1.5 , AGC ON) OLux with IRImage settingFilp, Miror, Saturation, Brightness, Contrast, Sharpn ess, AGC, and AWB adjusted by client software / bro wserShutter Speed1/1 s - 1/100,000 sWhite BalanceAuto / Manual / Indoor / OutdoorDay & NightR Cut filter3D DNRAuto / ManualImage EnhancementBLC, HLC, WDR(120 dB)Privacy Mask4 Programmable privacy masksLensF56.208mm lens, 37x optical zoomZoom SpeedApprox. 4.4s (optical zoom, wide-tele)Field of ViewVertical: 33.6" to 1,1"(wide-tele)Vertical: 33.6" to 1,1"(wide-tele)Day & MargeS60"endlessPan Range360"endlessPan speedConfigurable, from 0,1~180"/s Max Preset speed: 180"/sTilt RangeFrom -20" to 90" (auto-flip at 90")Tilt RangeFrom -20" to 90" (auto-flip at 90")Tilt SpeedConfigurable, from 0,1~ 150'/s, Max Preset speed: 150'/sProportional ZoomYesPreset360Cruise8 cruises, up to 16 presets for each cruisesTrack4 tracks, record time over 3 minutes for each trackPower off memorySupportPriz Position DisplaySupportPriz Position DisplaySupportPriz Position DisplaySupportPriz Position DisplaySupportPriz Position DisplaySupportPriz Position DisplaySupport <tr< th=""><th>Camera Module</th><th></th></tr<>	Camera Module	
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Track4 tracks, record time over 3 minutes for each trackPower off memorySupportAction modePreset / Cruise / Track / Random Scan / Boundary Scan / Dome reboot3D PositioningSupportPTZ Position DisplaySupportSchedule TaskPreset / Cruise / Track / Auto Scan / Random Scan / Dome rebootIRIRIR Distance500mSmart IRYesNetwork2560×1440Main stream25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720)Sub stream25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240)Third Stream25fps (704x576, 480x240, 352x288)	Preset	360
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Action modePreset / Cruise / Track / Random Scan / Boundary Scan / Dome reboot3D PositioningSupportPTZ Position DisplaySupportSchedule TaskPreset / Cruise / Track / Auto Scan / Random Scan / Dome rebootIRIRIR Distance500mSmart IRYesNetwork2560×1440Main stream25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720)Sub stream25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240)Third Stream25fps (704x576, 480x240, 352x288)	Track	4 tracks, record time over 3 minutes for each track
Action modeScan / Dome reboot3D PositioningSupportPTZ Position DisplaySupportSchedule TaskPreset / Cruise / Track / Auto Scan / Random Scan / Dome rebootIRIRIR Distance500mSmart IRYesNetwork2560×1440Main stream25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720)Sub stream25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240)Third Stream25fps (704x576, 480x240, 352x288)	Power off memory	Support
PTZ Position DisplaySupportSchedule TaskPreset / Cruise / Track / Auto Scan / Random Scan / Dome rebootIRPreset / Cruise / Track / Auto Scan / Random Scan / Dome rebootIRVesSmart IRYesNetwork25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720)Sub stream25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240)Third Stream25fps (704x576, 480x240, 352x288)	Action mode	
Schedule Task Preset / Cruise / Track / Auto Scan / Random Scan / Dome reboot IR IR IR Distance 500m Smart IR Yes Network Max Resolution 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	3D Positioning	Support
Schedule Task Dome reboot IR Jome reboot IR Distance 500m Smart IR Yes Network Max Resolution 2560×1440 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	PTZ Position Display	Support
IR Distance 500m Smart IR Yes Network Max Resolution 2560×1440 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) Sub stream 25/ps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	Schedule Task	
Smart IR Yes Network Max Resolution 2560×1440 Main stream 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) 25fps (704x576, 480x240, 352x288)	IR	
Network Max Resolution 2560×1440 Main stream 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	IR Distance	500m
Max Resolution 2560×1440 Main stream 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	Smart IR	Yes
Main stream 25/30fps (2560x1440, 2304x1296, 1920x1080, 12 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	Network	
Main stream 80x720) Sub stream 25fps (1280x720, 704x576, 352x288) 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	Max Resolution	2560×1440
Sub stream 30fps (1280x720, 704x480, 352x240) Third Stream 25fps (704x576, 480x240, 352x288)	Main stream	
	Sub stream	
	Third Stream	25fps (704x576, 480x240, 352x288)

SVC	Yes
Video compression	H.265 / H.264 / MJPEG
Protocols	HTTP, HTTPS, Ipv4/Ipv6, 802.1x, QoS, FTP, SMTP, UP nP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/I P, UDP, IGMP, ICMP,DHCP, PPPoE
Simultaneous live view	Up to 10 channels
User / Host	Up to 16 users, 3 levels: Administrator, Advanced Us er and Normal User
Security Measures	User authentication (ID and PW), Host authenticatio n (MAC address) HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
Smart Features	
Basic event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, S D error)
Face detection Face comparison	Default off, max 30 human faces per second
Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Unatte nded baggage detection, Object removal detection, Scene change detection, Support alarm triggering b y human or vehicle, filtering flag/animal.
Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)
System Integration	
Alarm Interface	7CH alarm input, 2CH alarm output
Audio Interface	1CH audio input, 2 to 2.4v[p-p] 1k Ω ±10% 1CH audio output (line out), impedance 600 Ω
Alarm Linkage	Alarm actions, such as Preset, Cruise, Track, Memor y Card Video Record, Trigger Recording, Notify Surv eillance Center, Upload to FTP/Memory Card, Send E mail, etc
Network Interface	1 RJ45 10M/100M Ethernet (Hi-PoE optional)
CVBS	Yes, 1 BNC Connector
RS 485	Pelco-D / P protocol, custom protocols available
Storage	On-Body memory card slot, support microSD/SDHC/ SDXC, up to 256G
Web Browser	IE 8-11, Chrome 31.0-44, Firefox 30.0-51, Not support Safari
General	
Power	AC24V/DC24V 5A (Max.75W, including max.18w for laser and max.12w for heater) Hi-PoE (Max.60W, including max.18w for laser and max.12w for heater)
Working condition	-50°C~65°C(-40°F~149°F), 90%RH less(non-conden sing), Cold start at -40°C
Storage condition	-40°C ~ 70°C; ≤ 95% RH
Protection	IP67 Level, IK10, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy
Dimensions	Φ 278mm × 435mm (Φ10.94' × 17.12')
Weight	Approx. 8.8 Kg (19.4 lb.)
Certification	KC, CE, FCC







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