

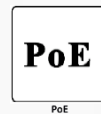
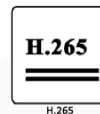


4MP 25X IR NETWORK SMART PTZ CAMERA

SIP-VP4025AI

FEATURES

- 4MP 25X 160m IR Network PTZ camera is suitable for wide range of intrusion and perimeter protection applications
- Up to 2560x1440 resolution
- Mini illumination: Color: 0.01 lux @ (F1.65 AGC ON) 0 Lux with IR
- 25x optical zoom, Accurate and fast focusing
- WDR, 3D DNR, Smart IR 160m
- Smart H.265+/H.265/H.264+/H.264
- Intelligent Video content analytics
- Smart tracking of human/vehicle
- Smart detection and perimeter protection
- ONVIF, API and SDK, PoE+ and DC12V
- IP66, -40°C~60°C, ADC12 & PC/GF



SPECIFICATION

CAMERA MODULE

Image sensor	1/2.7" progressive scan CMOS, BSI, NIR+
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, etc. adjusted by client
Shutter Speed	50Hz: 1/25s ~ 1/25,000s; 60Hz: 1/30s ~ 1/30,000s
White Balance	Auto/Manual/Indoor/Outdoor
Day & Night	Auto/Manual , time schedule
Gain control	Auto/Manual
Day & Night	Auto/Manual ,time schedule
Iris control	Auto/Manual
SNR	≥52dB
3D DNR	Auto/Manual
AE Enhancement	BLC, HLC, WDR
Privacy Mask	4 areas, up to 8 per request
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format
OSD overlay	Max 15 characters/line, 8 lines, white or red font color

LENS

Focus length	f=4.8-120mm lens, 25x optical zoom				
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)				
Field of View	Horizontal: 55° ~ 2.4°±5%; Vertical: 33° ~ 1.4°±5%; Diagonal: 61.5° ~ 2.8°±5% (wide-tele)				
Working distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF				
Aperture Range	F1.65 ~ F3.8 (wide-tele)				
Iris type	DC-IRIS, 16 Stops				
IR Cut type	Removable IR Cut filter				
DORI distance	Focus length	Detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)
	f=4.8mm	96m(315 f.t.)	38m(124.7 f.t.)	19.2m(63 f.t.)	9.6m(31.5 f.t.)
	f=120mm	2200m(7218 f.t.)	873m(2864.3 f.t.)	440m(1443.6 f.t.)	220m(721.8 f.t.)

PTZ

Pan Range	360°endless
Pan speed	Configurable, from 0.1~200°/s; Preset speed: 240°/s
Tilt Range	From -10° to 90°
Tilt Speed	Configurable, from 0.1~ 200°/s, Preset speed: 240°/s
Proportional Zoom	Yes
Preset	360
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 / PTZ Position Display	Support
Schedule Task	Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot

IR

IR Range	160m(525 f.t.),dual stack IR LED Array
Smart IR	Yes

NETWORK

Max Resolution	2560x1440
Main stream	50Hz: 25fps: 2560×1440,1920×1080,1280×960,1280×720; 60Hz: 30fps: 2560×1440,1920×1080,1280×960,1280×720
Sub stream	50Hz: 25fps: (704 × 576, 640 × 480, 352 × 288); 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)

NETWORK	
Third Stream	50Hz:25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz:30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video compression	H.265+/H.265/H.264+/H.264/MJPEG
H.264 Standard	H.264/AVC codec BP/MP/HP, Level 5.1
H.265 Standard	H.265/HEVC codec MP, level 5.0
Video Bit Rate	64 Kbps to 8 Mbps
Audio compression	G.711 A/U
Audio Bit Rate	64 Kbps
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
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 tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)
Face recognize	Default off, Detecting max 15 faces at same scene. Detecting, tracking, capturing.
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	1 Alarm input(Dry contact); 1 Alarm output
Audio Interface	1 audio input(MIC in); 1 audio output, line level, impedance,600Ω
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+
SD Card Slot	One Micro SD slot, up to 256G
RS 485/BNC/Speaker	N/A
Reset button	Yes
Heater/Fan	Yes
Water removal	Remove water-drops by quick spinning, blow hot air to glass to remove frost, ice
Client	N9000 1.4.5, NVMS 2.0; and the third-party client
API	ONVIF, support SDK and third-party management platform
Client / Web Browser	N9000 1.4.5, NVMS 2.0; and the third-party client / IE8-11
GENERAL	
Power Supply	DC12V±25%,3000mA ,PoE+ (802.3.at), max 23W include IR ON+PTZ working
Working condition	-40°C ~ 60°C (-40°F ~ 140°F), Cold start at - 30°C(30minutes waiting); 90%RH
Storage condition	-40°C ~ 70°C ; ≤ 95% RH
Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminium Alloy + Plastic/GF15%
Dimensions	Φ 173mm × 268mm (Φ6.8 inch × 10.55 inch)
Net Weight	Approx. 2.1 Kg (4.63 lb.)
Certification	IP66,IK10(excluding glass window),ROHS,CE,FCC