WIP8NPTZ25P

PTZ CAMERA

4K 8MP H.265 IP IR 4" 25x Optical Zoom PTZ Camera with Starlight and PoE

Onvif®

genie NDAA Compliant

Key Features

- Face recognition
- Face comparison
- Target counting
- Alarm triggering by human or vehicle
- Smart human or vehicle tracking, manual tracking, auto tracking (via software setting)
- 1/2.8" sony progressive scan CMOS
- Up to 3840×2160 resolution

- Minimum illumination: Colour: 0.01Lux @ (F1.65, AGC ON); B/W: 0.002Lux @(F1.65 AGC ON);0Lux with IR25x optical zoom, 16x digital zoom
- 120 dB WDR, 3D DNR, Smart IR
- Smart IR with distance to 150m
- IP66 ingress protection
- Up to 150m IR distance
- Smart H.265/H.264 video compression

- 0.5Tops 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
- API and SDK
- Requires WPTZWB bracket

The Genie **WIP8NPTZ25P** is a powerful PTZ camera with accurate pan, tilt and zoom performance. The camera provides a wide monitoring range as well as a full 4K 8MP high definition resolution at 25/30fps. The camera is rated IP66 which means it works well outdoors with effective protection against lightning. The camera also features AI functions such as face recognition, face comparison and tracking.

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Specification

Camera

Image Sensor	1/2.8''SONY latest progressive scan CMOS
Max resolution	3840×2160
Minimum Illumination	Colour: 0.01Lux @ (F1.65, AGC ON); B/W: 0.002Lux @(F1.65 AGC ON);0Lux with IR25x optical zoom, 16x digital zoom
Image Setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, etc. adjusted by client
Shutter Speed	50Hz: 1/25 s~1/25,000s, 60Hz: 1/30s~1/30,000s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	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 mask per request
Picture Overlay	Logo picture could be overlaid on video with 128×128pixels,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: 57.6°~2.4°; Vertical: 33.4°~1.4°; Diagonal: 64.5°~ 2.9°(wide-tele) ±5%
Working Distance	Wide: 1.0m ~ INF; tele: 1.5m ~ INF
Iris Range	F1.65 ~ F3.8 (wide-tele)
IRCut type	Removable IRCUT filter

Smart Features

Basic Event	Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)
Face Recognition	Ver5.0.1:Detecting max 15–17 faces at same scene. Detecting, recognition, Ver5.1.1:and comparing, max 20Kpcs face ID storage
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

Compression Standard

Pan Range	360°endless
Pan Speed	Configurable, from 0.1~200°/s; Preset speed: 240°/s
Tilt Range	From -10°to 90°,auto flip
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
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	150m (492 f.t.) ,dual stack IR LED array, 6pcs into 3groups
Smart IR	Yes

Network

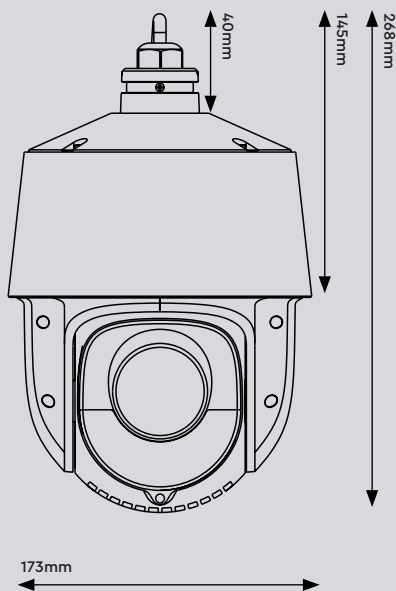|	
Main Stream	50Hz: 3840 ×2160,2560 ×1440,1920 ×1080,1280 ×960,1280 ×720,@25fps 60Hz: 30fps:3840 ×2160,2560 ×1440,1920 ×1080,1280 ×960,1280 ×720,@30fps
Sub Stream	50Hz: (704 ×576, 640 ×480, 352 ×288) @25fps 60Hz: (704 ×480, 640 ×480, 352 ×240) @30fps
Third Stream	50Hz:(1920 ×1080, 1280 ×960, 1280 ×720, 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.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 16Mbps
Audio compression	G.711 A/U
Audio Bit Rate	64K bps
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, DHCP, PPPoE
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

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Specification

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, Notify Surveillance Center, 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
RS485	None
Reset button	Yes
Heater	Yes
Fan	Yes
Water removal	Remove water-drops by quick spinning
API	ONVIF, support SDK and third-party management platform
Client	N9000 1.4.5, NVMS 2.0; and the third-party client, free iOS/Android APP
Web Browser	IE8–11

Others

Power	DC12V±25%,3000mA , PoE+ (802.3.at,class 3), max 24W include IR ON+PTZ working
Languages	Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese.
Working Conditions	-40°C ~ 60°C (-40°F ~ 140°F), Cold start at – 30°C(0.5Hour waiting); 90%RH
Storage Conditions	-40°C ~ 70°C ; ≤ 95% RH
Protection	IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy + Polymer (Plastic with glass fiber 15%)
Certification	IP66,IK10(excluding glass window),ROHS,CE,FC
Dimensions	Φ 173mm × 268mm (6.8 inch Φ × 10.55 inch)
Weight	Approx. 2.1 Kg (4.63 lb.)

Dimensions

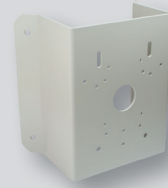40mm · 145mm · 268mm · 173mm

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Accessories

WPTZWB
Wall Bracket for
WIP2PTZ18P PTZ Dome
Camera – White

WIPPTZCB
Ceiling Mount Bracket for
WIP PTZ Cameras – White

WIPMPPM
Multi Purpose Pole Mount
Bracket – White

WIPMPCM
Multi Purpose Corner
Mount Bracket – White

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