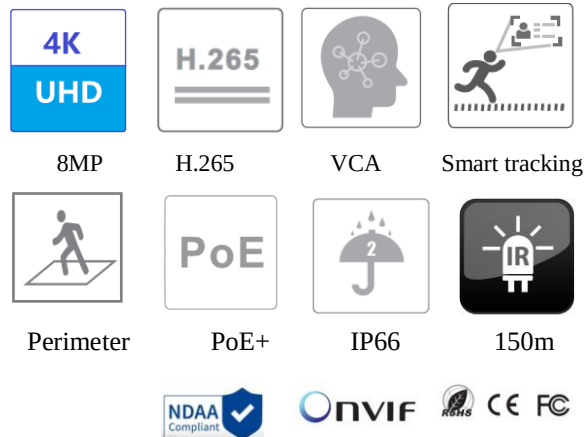


### 25X 8MP 150m IR Network Smart



### System

S8-AZ25 PTZ which adopt SONY latest 4K images sensor, with high quality 25x optical zoom lens, could deliver top-notch 3840x2160@30fps image details over a wide open area. H.265 video compression reduces bit rate down to 50% of H.264 without loss. With its built-in 1.5Tops AI engine, the PTZ camera could detect and classify max 15 objects per scene. When any of them intrude restricted area, the PTZ camera will trace, zoom fit in center of screen, snap and record and trigger alert. The gimbal rotation speed is improved for tracing fast object. The IR brightness is enhanced 200%, which improves night vision distance above 150m. This PTZ conforms to the ONVIF specifications ensuring interoperability between network video products regardless of manufacturers, and also complies with NDAA 2019. S8-AZ25 PTZ have enhanced body material, built-in turbo fan and heater for 7/24H work in outdoor weather, This series has also added alarm and audio interface, etc. it has true IK10 certification including lens cover, and adapt the latest components and thus available in longer supply period. With excellent picture quality and good protection, the PTZ could meet the demand of small size of surveillance application.

### Key Spec:

- 1/2.8" SONY progressive scan CMOS
- Up to 3840x2160 resolution
- Mini illumination:  
Color: 0.01 lux @ (F1.65 AGC ON)  
0 Lux with IR
- 25x optical zoom, 16x digital zoom
- HDR, 3D DNR, Smart IR 150m
- Smart 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

### Application:

Wide range area intrusion, perimeter protection and alarm, such as parks, scenic spots, stations and venues, industrial park.

## SPECIFICATION:

| Camera Module        |                                                                                                                                                                          |                |                 |                    |                   |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|--------------------|-------------------|
| Image sensor         | 1/2.8”SONY latest progressive scan CMOS                                                                                                                                  |                |                 |                    |                   |
| Max resolution       | 3840x2160                                                                                                                                                                |                |                 |                    |                   |
| 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: 1/25 s~1/25,000s, 60Hz: 1/30s~1/30,000s                                                                                                                            |                |                 |                    |                   |
| White Balance        | Auto/Manual/Indoor/Outdoor                                                                                                                                               |                |                 |                    |                   |
| Gain control         | Auto/Manual                                                                                                                                                              |                |                 |                    |                   |
| Day & Night control  | 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 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: 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                                                                                                                                                   |                |                 |                    |                   |
| DORI distance        | Focus length                                                                                                                                                             | detect(25px/m) | Observe(63px/m) | Recognize(125px/m) | Identify(250px/m) |
|                      | f=4.8mm                                                                                                                                                                  | 138.2m         | 54.84m          | 27.64m             | 13.82m            |
|                      | f=120mm                                                                                                                                                                  | 3034m          | 1297m           | 606.9m             | 303.4m            |
| PTZ                  |                                                                                                                                                                          |                |                 |                    |                   |
| 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<br>60Hz: 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<br>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                                                                                                                                           |                |                 |                    |                   |

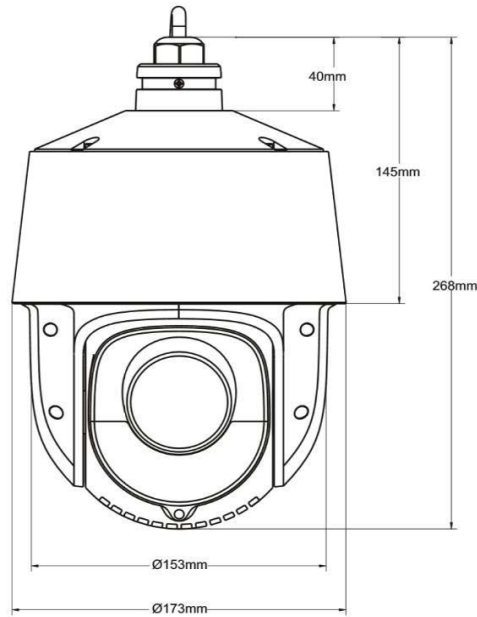
|                           |                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                              |
| <b>Smart Features</b>     |                                                                                                                                                                                       |
| Basic event               | Motion detection, Video tampering alarm, Exception(Network disconnected, IP address conflict, SD full, SD error)                                                                      |
| Face recognize            | Detecting max 15-17 faces at same scene. Detecting. Default off: recognition, and comparing                                                                                           |
| 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                                                                                                                                       |
| <b>System Integration</b> |                                                                                                                                                                                       |
| 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                                                                                                                                                         |
| RS 485                    | N/A                                                                                                                                                                                   |
| BNC                       | N/A                                                                                                                                                                                   |
| Speaker                   | N/A                                                                                                                                                                                   |
| 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                    | TVT N9000 1.4.5, SHIELD NVMS 2.0; and the third-party client, free iOS/Android APP                                                                                                    |
| Web Browser               | IE8-11,Safari,Chrome                                                                                                                                                                  |
| <b>General</b>            | <b>IPZ-A25X</b>                                                                                                                                                                       |
| Languages                 | Czech; English, German ; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese. |
| Power Supply              | DC12V ±25%,3000mA , PoE+ (802.3.at,class 3), max 24W include IR ON+PTZ working                                                                                                        |
| Working condition         | -40 ℃ ~ 60 ℃ (-40 ℉ ~ 140 ℉), Cold start at - 30 ℃(0.5Hour waiting); 90%RH                                                                                                            |
| Storage condition         | -40 ℃ ~ 70℃ ; ≤ 95% RH                                                                                                                                                                |
| Protection                | IP66, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection                                                                                                   |
| Material                  | Aluminum Alloy + Polymer ( Plastic with glass fiber 15%)                                                                                                                              |
| Dimensions                | Φ 173mm × 268mm ( 6.8 inch Φ × 10.55 inch)                                                                                                                                            |
| Weight                    | Approx. 2.1 Kg (4.63 lb.)                                                                                                                                                             |
| Certification             | IP66,IK10 (including glass window),ROHS,CE,FC                                                                                                                                         |

## Ordering information

S8-AZ25

8MP 25X Starlight IR 150m Network 4-inch Gen3 Smart PTZ Camera, IP66, -40℃~60℃, DC12V/PoE+, not include power adaptor and bracket

### Dimensions:



### Accessories(optional):



Wall mounting bracket



Pole mounting bracket



Corner mounting bracket



Pendant mounting bracket



Wall mounting bracket  
with junction box



Pole mounting bracket  
with junction box



Corner mounting bracket  
with junction box



In-ceiling mounting bracket



DC12V 3A  
Power adaptor



PoE+(30W) Midspan



PTZ Keyboard

\* All pictures and texts are for reference only. Actual product may vary due to product enhancement.