

## SG-PTZ2090N(-O)-LR10

- 2Mp 90x Long Range Zoom Starlight Laser Network Vehicle PTZ Camera



### 1. Features

- > Sony Exmor Starlight CMOS Sensor
- > Powerful 90x(6~540mm) optical zoom
- > Max. 50/60pfs @ 2Mp(1920x1080) Resolution
- > Support various IVS functions
- > Up to 1200m Laser IR Distance
- > Military Connector
- > IP66

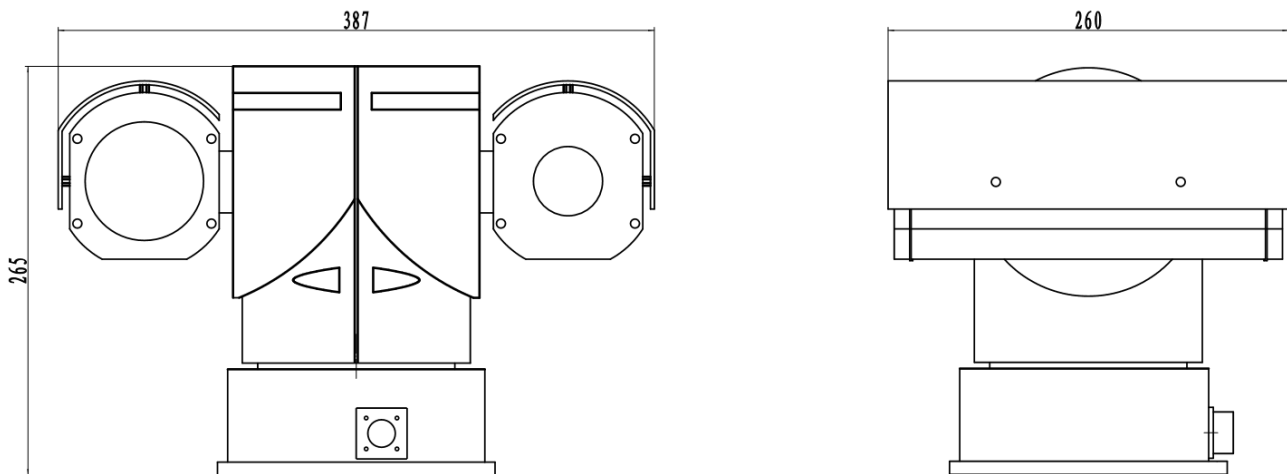
### 2. Specification

|               | Model                | SG-PTZ2090N(-O)-LR10        |
|---------------|----------------------|-----------------------------|
| Sensor        | Image Sensor         | 1/1.8" Sony Exmor CMOS      |
|               | Effective Pixels     | Approx. 8.42 Megapixel      |
|               | Max. Resolution      | 1920(H)x1080(V)             |
| Lens          | Focal Length         | 6mm~540mm, 90x Optical Zoom |
|               | Aperture             | F1.4~F4.8                   |
|               | Close Focus Distance | 1m~1.5m (Wide ~Tale)        |
|               | Angle of View        | 59°~0.8°                    |
| Video Network | Compression          | H.265/H.264/H.264H/MJPEG    |
|               | Storage Capabilities | TF card, up to 128G         |

|                          |                      |                                                                                                                                                                |
|--------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          | Network Protocol     | Onvif, GB28181, HTTP, RTSP, RTP, TCP, UDP                                                                                                                      |
| Resolution               |                      | 50Hz: 50fps/25fps@2Mp(1920×1080), 25fps@1Mp(1280×720)<br>60Hz: 60fps/30fps@2Mp(1920×1080), 30fps@1Mp(1280×720)                                                 |
| IVS                      |                      | Tripwire, Cross Fence Detection, Intrusion, Abandoned Object, Fast-Moving, Parking Detection, Crowd Gathering Estimation, Missing Object, Loitering Detection. |
| S/N Ratio                |                      | ≥55dB (AGC Off, Weight ON)                                                                                                                                     |
| IR Distance              |                      | Up to 1200m                                                                                                                                                    |
| IR On/OFF Control        |                      | Auto/Manual                                                                                                                                                    |
| IR LEDs                  |                      | Laser Module                                                                                                                                                   |
| Wiper                    |                      | N/A                                                                                                                                                            |
| Minimum Illumination     |                      | Color: 0.1Lux/F1.4; B/W: 0.001Lux/F1.4(IR On)                                                                                                                  |
| EIS                      |                      | N/A                                                                                                                                                            |
| Exposure Compensation    |                      | ON/OFF                                                                                                                                                         |
| Strong Light Suppression |                      | ON/OFF                                                                                                                                                         |
| Day/Night                |                      | Auto/Manual                                                                                                                                                    |
| Zoom Speed               |                      | Approx. 9s (Optical Wide-Tele)                                                                                                                                 |
| Electronic Defog         |                      | ON/OFF                                                                                                                                                         |
| Optical Defog(Optional)  |                      | Night Mode, 750nm~1100nm channel is Optical Defog                                                                                                              |
| White Balance            |                      | Auto/Manual/ATW/Indoor/Outdoor/ Outdoor Auto/ Sodium lamp Auto / Sodium lamp                                                                                   |
| Electronic Shutter Speed |                      | Auto Shutter (1/3s~1/30000s), Manual Shutter (1/3s~1/30000s)                                                                                                   |
| Exposure                 |                      | Auto/Manual                                                                                                                                                    |
| 2D Noise Reduction       |                      | Support                                                                                                                                                        |
| 3D Noise Reduction       |                      | Support                                                                                                                                                        |
| Flip                     |                      | Support                                                                                                                                                        |
| Focus Mode               |                      | Auto/Manual/Semi-automatic                                                                                                                                     |
| Digital Zoom             |                      | N/A                                                                                                                                                            |
| PTZ                      | Material             | Integrative structure design, Aluminum-Alloy shell                                                                                                             |
|                          | Driving Mode         | Turbine Worm Drive                                                                                                                                             |
|                          | Power-Off Protection | Support                                                                                                                                                        |
|                          | Pan/Tilt Range       | Pan: 360°, Endless; Tilt: -84°~84°                                                                                                                             |
|                          | Pan/Tilt Speed       | Adjustable, pan: 0°~60°/s; Tilt: 0°~40°/s;                                                                                                                     |
|                          | Tour                 | 4                                                                                                                                                              |
|                          | Presets              | 128                                                                                                                                                            |
|                          | Protocol             | Pelco-P/D                                                                                                                                                      |
|                          | Military Connector   | Support                                                                                                                                                        |
| Ethernet                 |                      | RJ-45 (10Base-T/100Base-TX)                                                                                                                                    |
| RS485                    |                      | 1                                                                                                                                                              |
| Audio I/O                |                      | 1/1                                                                                                                                                            |

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Alarm I/O            | 1/2                                                    |
| Cable                | 5m by default (with 2m Circle Protection part)         |
| Power Supply         | DC24~36V±15% / AC24V                                   |
| Power Consumption    | 56W                                                    |
| Operating Conditions | -30°C~+60°C/20% to 80%RH                               |
| Protection Level     | IP66; TVS 4000V Lightning Protection, surge prevention |
| Casing               | Metal                                                  |
| Color                | White by default (Black Optional)                      |
| Dimensions(L*W*H)    | Approx. 260mm*387mm*265mm                              |
| Net Weight           | 8.8kg                                                  |
| Gross Weight         | 16.7kg                                                 |

### 3. Dimension



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\*Design and specifications are subject to change without prior notification.  
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