



# **ST-SDO302**

2MP PTZ Camera

## Features

- Multiple Progressive Scan CMOS Sensor Support 2M Resolution
- Up to 30x Optical Zoom
- Multi Exposure HDR
- Electrical Image Stabilizer (EIS) Support
- Multi Codec support (H.265 / H.264 / MJPEG)
- Low Latency Streaming
- Quad Streams support
- 3D Motion Compensated Noise Reduction (MCTF)
- Micro SD/SDHC/SDXC Card support
- ONVIF Profile S/G/Q support
- Weatherproof (IP66)
- Vandal Proof (IK10 Rating)

# Technical Specifications

|                      |                                      |                         |
|----------------------|--------------------------------------|-------------------------|
| Image Sensor         | Sony 2M                              | 1/2.8" Progressive CMOS |
| Effective Pixels     | 1920x 1080(2M)                       |                         |
| Minimum Illumination | Color: 0.02 lux , B/W: 0.005 lux     |                         |
| Shutter Time         | 1~1/10K sec.                         |                         |
| S/N Ratio            | > 50 dB                              |                         |
| Lens                 | 4.3-129 mm Focal Length              |                         |
| <b>Operation</b>     |                                      |                         |
| Pan Travel           | 360° endless                         |                         |
| Tilt Travel          | 20° ~ 200°                           |                         |
| Manual Speed Pan     | 0.1° ~ 90°/s                         |                         |
| Manual Speed Tilt    | 0.1° ~ 60°/s                         |                         |
| Presets              | 128                                  |                         |
| Preset Accuracy      | 0.16°                                |                         |
| Preset Speed Pan     | 9° ~ 280°/s                          |                         |
| Preset Speed Tilt    | 7° ~ 300°/s                          |                         |
| Sequence             | 8                                    |                         |
| Autopan              | 4                                    |                         |
| Cruise               | 8                                    |                         |
| Home Function        | Preset / Sequence / Autopan / Cruise |                         |
| Auto Flip            | Mechanical / Off                     |                         |
| Image Rotation       | Flip / Mirror / Inverse              |                         |
| Auto Calibration     | On / Off , servo feedback support    |                         |
| <b>Network</b>       |                                      |                         |
| Interface            | 10/100Mbps Ethernet                  |                         |
| Video Compression    | H.265/H.264/MJPEG                    |                         |

| Image Setting          |                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Iris Control           | P-Iris, Auto-Iris                                                                                                    |
| Backlight Compensation | On / Off                                                                                                             |
| Electronic Shutter     | Auto                                                                                                                 |
| Gain Control           | Auto                                                                                                                 |
| Focus                  | Auto / Manual                                                                                                        |
| White Balance          | Auto/Manual                                                                                                          |
| Noise Reduction        | 3D Motion Compensated Noise Reduction (MCTF)                                                                         |
| Wide Dynamic Range     | 120 dB                                                                                                               |
| Privacy Mask           | On / Off                                                                                                             |
| Zoom                   | Optical zoom, digital zoom ready                                                                                     |
| ICR                    | Day / Night / Auto cut                                                                                               |
| Video Streaming        | Up to 4 individually configurable streams in<br>H.265/H.264/MJPEG                                                    |
|                        | Configurable resolution/frame rate/bandwidth<br>LBR/VBR/CBR in H.265/H.264                                           |
| Protocol               | ARP, PPPoE, IPv4/v6, ICMP, IGMP, QoS, TCP, UDP,<br>DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS,<br>FTP, NTP, DDNS |
| Security               | User Authentication/HTTPS/IP Filter/IEEE 802.1x                                                                      |
| Audio                  |                                                                                                                      |
| Compression            | G.711 / G.726 / AAC / LPCM                                                                                           |
| Two-way Audio          | Line in / Line Out                                                                                                   |
| Streaming              | 2 way                                                                                                                |
| Audio Input            | Line in                                                                                                              |
| Audio Output           | Line out                                                                                                             |
| General                |                                                                                                                      |
| Operating Temperature  | -40°C ~ 65°C                                                                                                         |
| Humidity               | 10% ~ 90%, No Condensation                                                                                           |
| Storage                | Micro SD / SDHC / SDXC Card                                                                                          |
| Storage Conditions     | -20°C ~ 70°C                                                                                                         |
| Weatherproof Standard  | IP66                                                                                                                 |
| Dimension              | Ø 210 x 279 mm                                                                                                       |
| Weight                 | 2.9 kg                                                                                                               |
| Power                  | PoE+ IEEE802.3at, class 4 DC12V, 2.12A, max 25.4 watt AC24V,max 25.4 watt                                            |



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