

- Sony Progressive Scan CMOS sensor
- Quad Stream support
- Dual Stream, Full HD 1080P real-time + D1 real-time
- Quad Stream Compression: H.264 Baseline/Main/High Profile + MJPEG
- Remote Zoom % Focus (Motorized Lens)\*
- Wide Dynamic Range
- Motion Detection
- Privacy Masks
- Smart Picture Quality / 3D Noise Reduction
- Smart IR (Working distance up to 25m), Day/Night(ICR)
- Network Failure Detection
- Day/Night(ICR), Micro SD, Weatherproof, Pendant Mount Housing, Onvif
- Integrated Mounting Bracket with Cable Management
- Sunshield, Weatherproof (IP66 International)



## Product Specification

| Item                  |                                               | W5                                                                                                                       |
|-----------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>         |                                               |                                                                                                                          |
| Image Sensor          |                                               | 1/ 2.7" Progressive Scan CMOS                                                                                            |
| Effective Pixels      |                                               | 1920 (H) x 1080 (V)                                                                                                      |
| Minimum Illumination  | Color                                         | 0.2 Lux                                                                                                                  |
|                       | B/W                                           | 0.02 Lux                                                                                                                 |
| Shutter Speed         |                                               | 1~ 1/10000 sec.                                                                                                          |
| White Balance         |                                               | Manual / AWB / ATW                                                                                                       |
| <b>Lens</b>           |                                               |                                                                                                                          |
| Lens Type             | Vari-focal / Motorized                        | F1.2 / f = 3 – 9 mm                                                                                                      |
|                       | Fixed-focal Board Lens                        | F1.5 / f = 4 mm                                                                                                          |
| FOV (16:9 resolution) | Vari-focal / Motorized Lens (16:9 resolution) | 103.5° (W) ~ 34.3° (T)                                                                                                   |
|                       | Board Lens                                    | 78°                                                                                                                      |
| <b>Operation</b>      |                                               |                                                                                                                          |
| Video Compression     |                                               | H.264 / MJPEG                                                                                                            |
| Video Streaming       |                                               | Simultaneous H.264 1080p (25/30FPS) + MJPEG D1 (25/30 FPS)<br>Simultaneous H.264 1080p (25/30FPS) + H.264 D1 (25/30 FPS) |
| Resolution            | H.264                                         | Full HD 1080p/ SXGA/ HD720p/ XGA/ SVGA/ D1/ VGA/ CIF                                                                     |
|                       | MJPEG                                         | Full HD 1080p/ SXGA/ HD720p/ XGA/ SVGA/ D1/ VGA/ CIF                                                                     |
| Image Setting         | Brightness                                    | Manual                                                                                                                   |
|                       | Exposure                                      | Auto / Manual                                                                                                            |
|                       | Sharpness                                     | Manual                                                                                                                   |
|                       | Contrast                                      | Manual                                                                                                                   |
|                       | White Balance                                 | Auto / Manual                                                                                                            |
|                       | Saturation                                    | Manual                                                                                                                   |
|                       | Hue                                           | Manual                                                                                                                   |
|                       | Backlight Compensation                        | On / Off                                                                                                                 |
|                       | Digital Zoom                                  | Support                                                                                                                  |
|                       | WDR                                           | On / Off                                                                                                                 |
|                       | 3D Noise Reduction                            | On / Off                                                                                                                 |
|                       | Motion Detection                              | On / Off                                                                                                                 |
|                       | Privacy Mask                                  | On / Off                                                                                                                 |
|                       | Privacy Mask Type                             | Color                                                                                                                    |
|                       | ICR*                                          | Auto / On / Off                                                                                                          |
|                       | Tampering Alarm                               | On / Off                                                                                                                 |
| Audio                 | Two-way Audio                                 | Line out, Line in / mic in                                                                                               |
|                       | Compression                                   | G.711 / G.726                                                                                                            |
| Alarm                 | Input                                         | 5V 10k $\Omega$ pull up                                                                                                  |
|                       | Output                                        | Photo Relay Output 300VDC / AC                                                                                           |
| Event Notification    |                                               | HTTP, FTP, SMTP                                                                                                          |
| Multiple Languages    |                                               | English, French, German, Italian, Korean, Simplified Chinese, Traditional Chinese, Russian                               |
| <b>Network</b>        |                                               |                                                                                                                          |
| Interface             |                                               | 10/100Mbps Ethernet (RJ-45)                                                                                              |
| Protocol              |                                               | IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF                 |

|                  |                                                   |
|------------------|---------------------------------------------------|
| Password Levels  | User and Administrator                            |
| Security         | HTTPS, IP Filter, IEEE 802.1X                     |
| Internet Browser | Internet Explorer (6.0+), Chrome, Firefox, Safari |
| User Account     | 20                                                |

### Mechanical

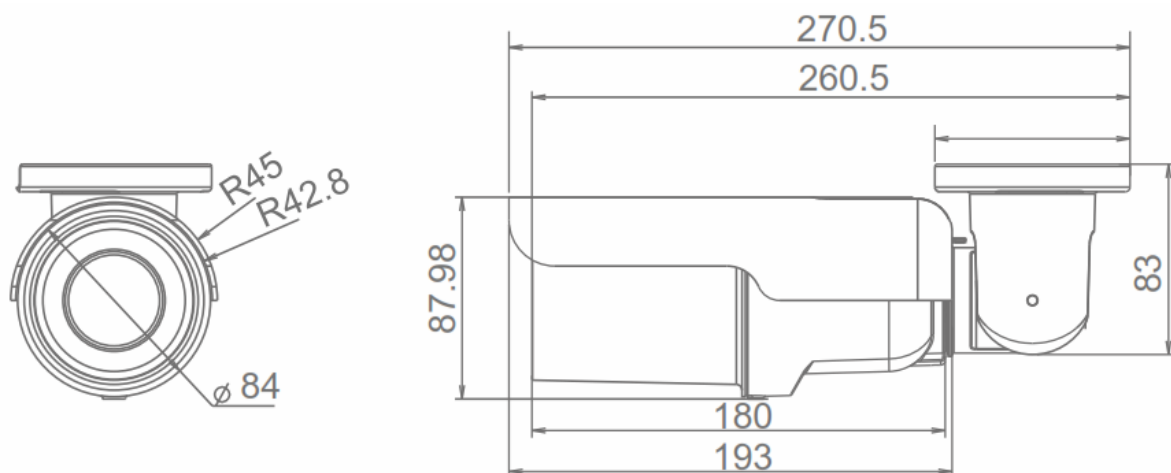
|                           |                  |                                        |
|---------------------------|------------------|----------------------------------------|
| Built-in IR Illumination* | Working distance | Up to 25m                              |
|                           | Wavelength       | 850nm                                  |
| Connectors                | Number of LEDs   | 23                                     |
|                           | Power            | 3 pins terminal block                  |
|                           | Ethernet         | RJ-45                                  |
|                           | Micro SD         | Micro-SDHC 32GB support                |
|                           | Audio Out        | Female Stereo phone jack, $\Phi$ 3.5mm |
|                           | Mic In / Line In | Female Stereo phone jack, $\Phi$ 3.5mm |
|                           | Alarm In/Out     | 4 pins alarm wires                     |
|                           | Analog Video     | 1.0Vp-p / 75 $\Omega$ , BNC            |
| LED Indicator             | Power, Link, ACT |                                        |

### General

|                       |                                                                                                                                               |                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Operating Temperature | -10°C ~ 50°C (14°F ~ 122°F)<br>w/ Heater & Fan, powered by DC12V / AC24V: -35°C ~ 50°C (-31°F ~ 122°F)<br>Humidity: 10 to 90; no condensation |                                                              |
| Power Source          | DC12V / AC24V / PoE                                                                                                                           |                                                              |
| Power Consumption     | System: 5W<br>(Built-in Illuminator: +3W, Motorized Lens: +3.6W, Heater: +12W)                                                                |                                                              |
| Weatherproof Standard | IP66                                                                                                                                          |                                                              |
| Regulatory            | CE, FCC, RoHS Compliant                                                                                                                       |                                                              |
| Dimension             | Indoor                                                                                                                                        | $\Phi$ 84 x 180mm ( $\Phi$ 3.3 x 7.1 inches)                 |
|                       | Outdoor                                                                                                                                       | With Sunshield: $\Phi$ 84 x 193mm ( $\Phi$ 3.3 x 7.6 inches) |
| Weight                | 0.94Kg (2.07 lbs)                                                                                                                             |                                                              |

\* mark for optional items

## Dimension



Unit: (mm)