



## SR-X300W

### AI-Powered Code Reader



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

|                        |                           |                          |                                                                                                                                                                                                |
|------------------------|---------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                  |                           |                          | SR-X300W *1                                                                                                                                                                                    |
| Type                   |                           |                          | Wide-field type (2.3 megapixels)                                                                                                                                                               |
| Receiver               | Sensor                    |                          | CMOS image sensor                                                                                                                                                                              |
|                        | Number of pixels          |                          | 1920 × 1200                                                                                                                                                                                    |
|                        | Focus                     |                          | Auto*2                                                                                                                                                                                         |
| Emitter                | Illumination light source |                          | High-intensity red/white LED                                                                                                                                                                   |
|                        | Pointer light source      |                          | High-intensity green LED                                                                                                                                                                       |
| Reading specifications | Supported symbols         | 2D codes                 | QR, MicroQR, DataMatrix(ECC200), DMRE, GS1 DataMatrix, PDF417, MicroPDF417, GS1 Composite (CC-A/CC-B/CC-C), DotCode, Maxi Code, Aztec Code                                                     |
|                        |                           | Barcodes                 | CODE39, ITF, 2of5 (Industrial 2of5), COOP 2of5, NW-7 (Codabar), CODE128, GS1-128, GS1 DataBar, CODE93, JAN/EAN/UPC, Trioptic CODE39, CODE39 Full ASCII, Pharmacode, Postal (Japan Postal, IMB) |
|                        | Minimum resolution        | 2D codes                 | 0.060 mm 0.0024"                                                                                                                                                                               |
|                        |                           | Barcodes                 | 0.082 mm 0.0032"                                                                                                                                                                               |
|                        | Reading distance          |                          | 50 to 1000 mm 1.97" to 39.37"                                                                                                                                                                  |
|                        | Reading field of view     |                          | 267 × 166 mm 10.51" × 6.54"<br>(at a distance of 300 mm 11.81")                                                                                                                                |
| I/O specifications     | Control input             | Number of inputs         | 2                                                                                                                                                                                              |
|                        |                           | Input type               | Bidirectional voltage input                                                                                                                                                                    |
|                        |                           | Maximum rating           | 30 VDC                                                                                                                                                                                         |
|                        |                           | Minimum ON voltage       | 15 VDC                                                                                                                                                                                         |
|                        |                           | Maximum OFF current      | 0.2 mA                                                                                                                                                                                         |
|                        | Control output            | Number of outputs        | 3                                                                                                                                                                                              |
|                        |                           | Output type              | Photo MOS relay output                                                                                                                                                                         |
|                        |                           | Maximum rating           | 30 VDC                                                                                                                                                                                         |
|                        |                           | Maximum load current     | 50 mA or less for 1 output, or 100 mA or less in total for 3 outputs                                                                                                                           |
|                        |                           | Leakage current when OFF | 0.1 mA or less                                                                                                                                                                                 |
|                        |                           | Residual voltage when ON | 1 V or less                                                                                                                                                                                    |
|                        | Ethernet                  | Communication standard   | IEEE 802.3-compliant 100BASE-TX                                                                                                                                                                |
|                        |                           | Supported protocols      | TCP/IP, SNMP, FTP, SFTP, HTTP, HTTPS, BOOTP, EtherNet/IP™, PROFINET, KV STUDIO, MC protocol, OMRON PLC link, OPC UA                                                                            |
|                        | Serial communication      | Communication standard   | RS-232C-compliant                                                                                                                                                                              |

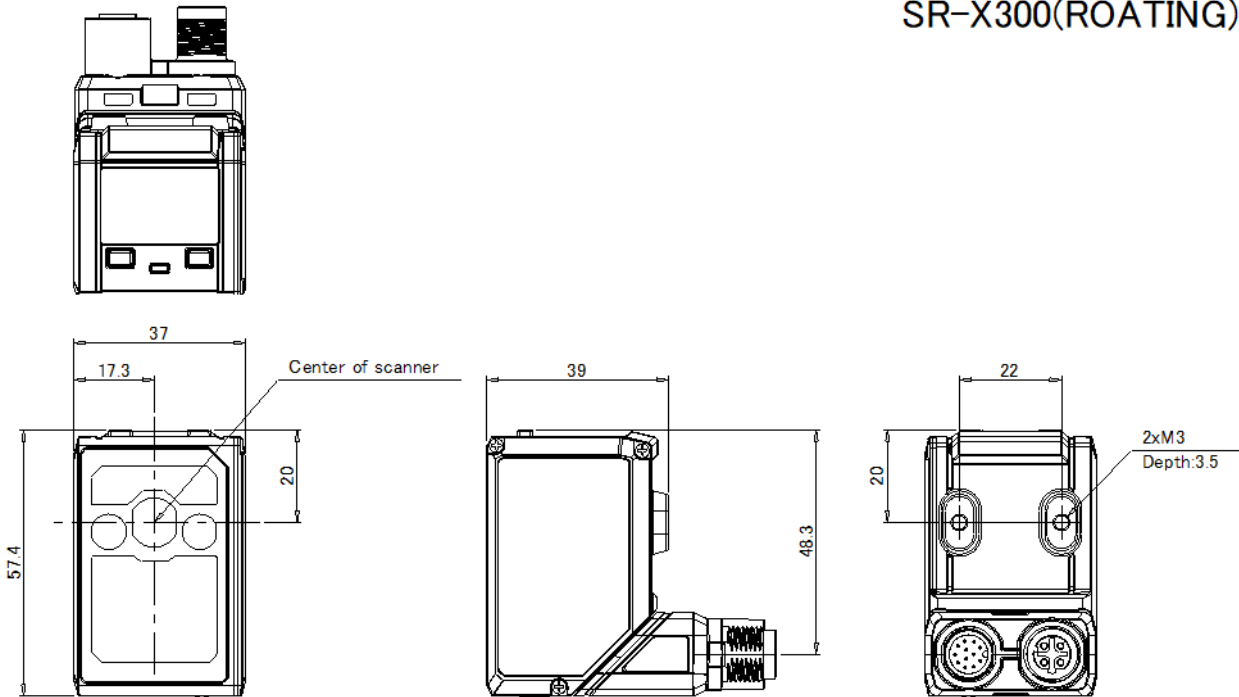
|                          |                           |                                |                                                              |
|--------------------------|---------------------------|--------------------------------|--------------------------------------------------------------|
|                          |                           | Communication speed            | 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps |
|                          |                           | Supported protocols            | No-protocol, KV STUDIO, MC protocol, SYSWAY                  |
|                          | USB                       | Communication standard         | USB 2.0 High Speed compliant                                 |
| Ratings                  | Power voltage             | 24 VDC +25%/-20%               |                                                              |
|                          | Current consumption       | Approx. 750 mA                 |                                                              |
| Environmental resistance | Enclosure rating          | IP65/IP67 (IEC60529)*3         |                                                              |
|                          | Ambient temperature       | 0 to +45°C 32 to 113°F         |                                                              |
|                          | Relative humidity         | 35 to 85% RH (No condensation) |                                                              |
|                          | Storage temperature       | -10 to +50°C 14 to 122°F       |                                                              |
|                          | Storage relative humidity | 35 to 85% RH (No condensation) |                                                              |
| Weight                   |                           | Approx. 200 g 7.06 oz          |                                                              |

\*1 System ROM rewrites: 100000  
\*2 The focal position can be adjusted automatically during installation or tuning.  
\*3 Attach a USB port cover to meet the protective structural specification.

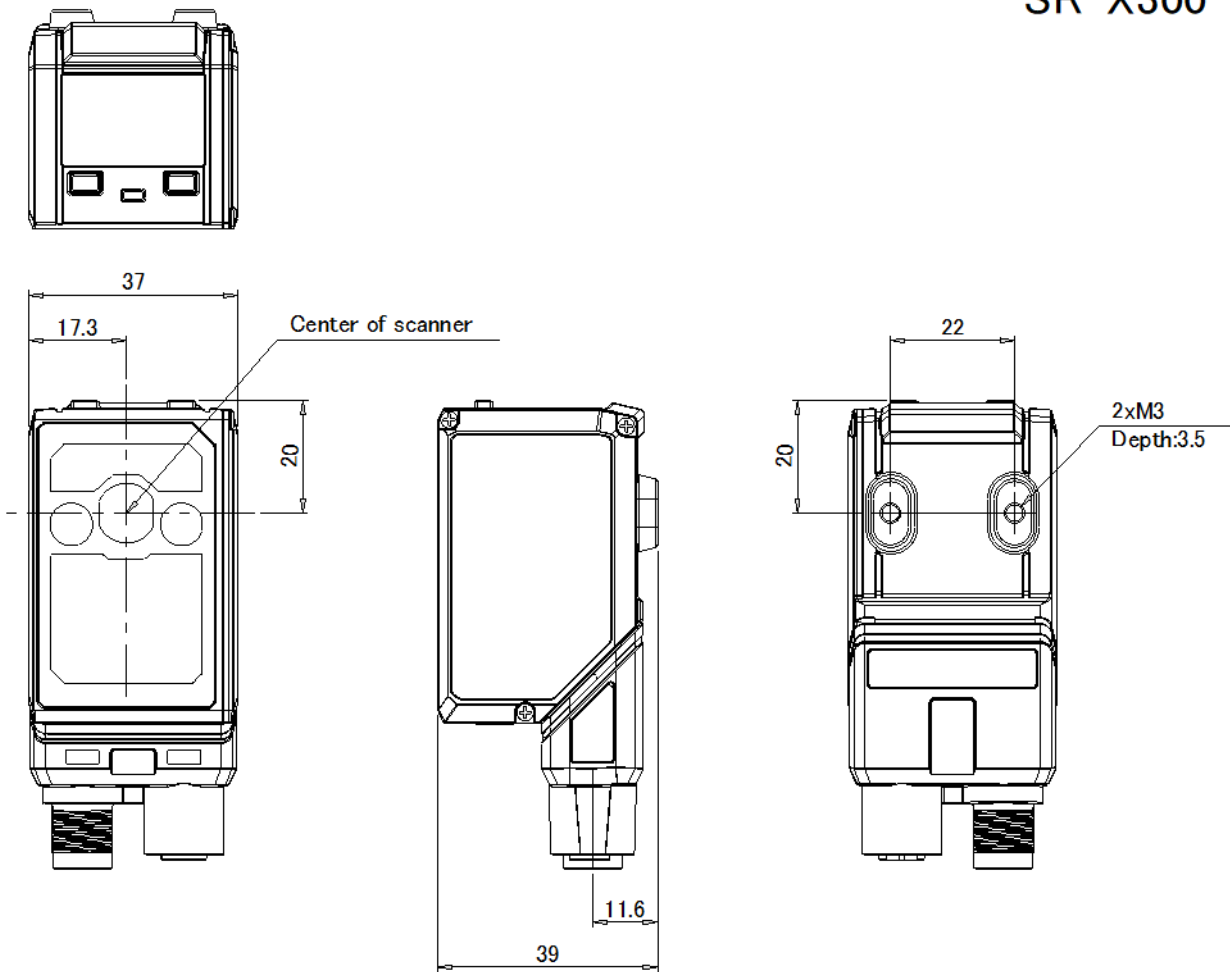
Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

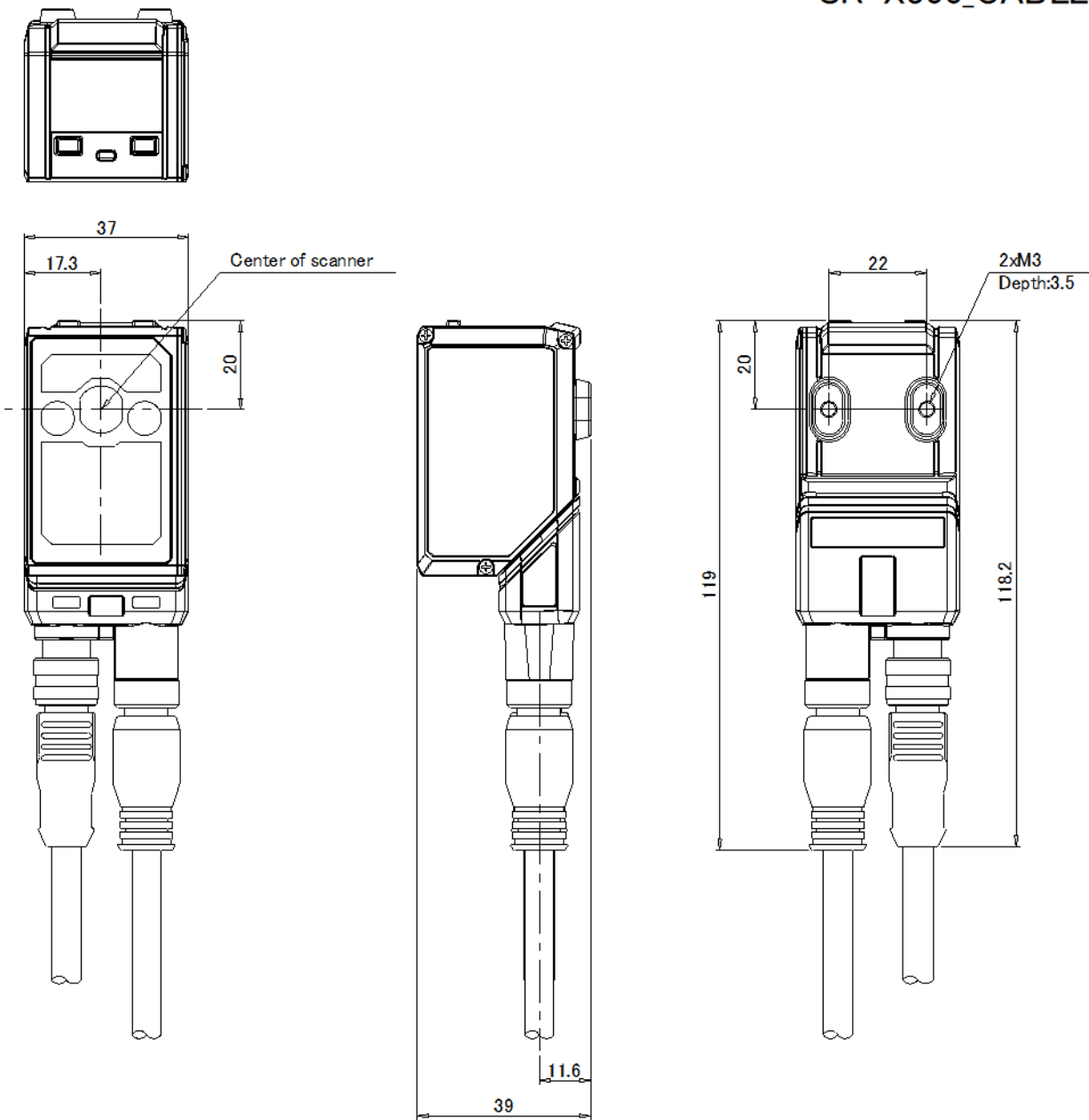
SR-X300(ROATING)



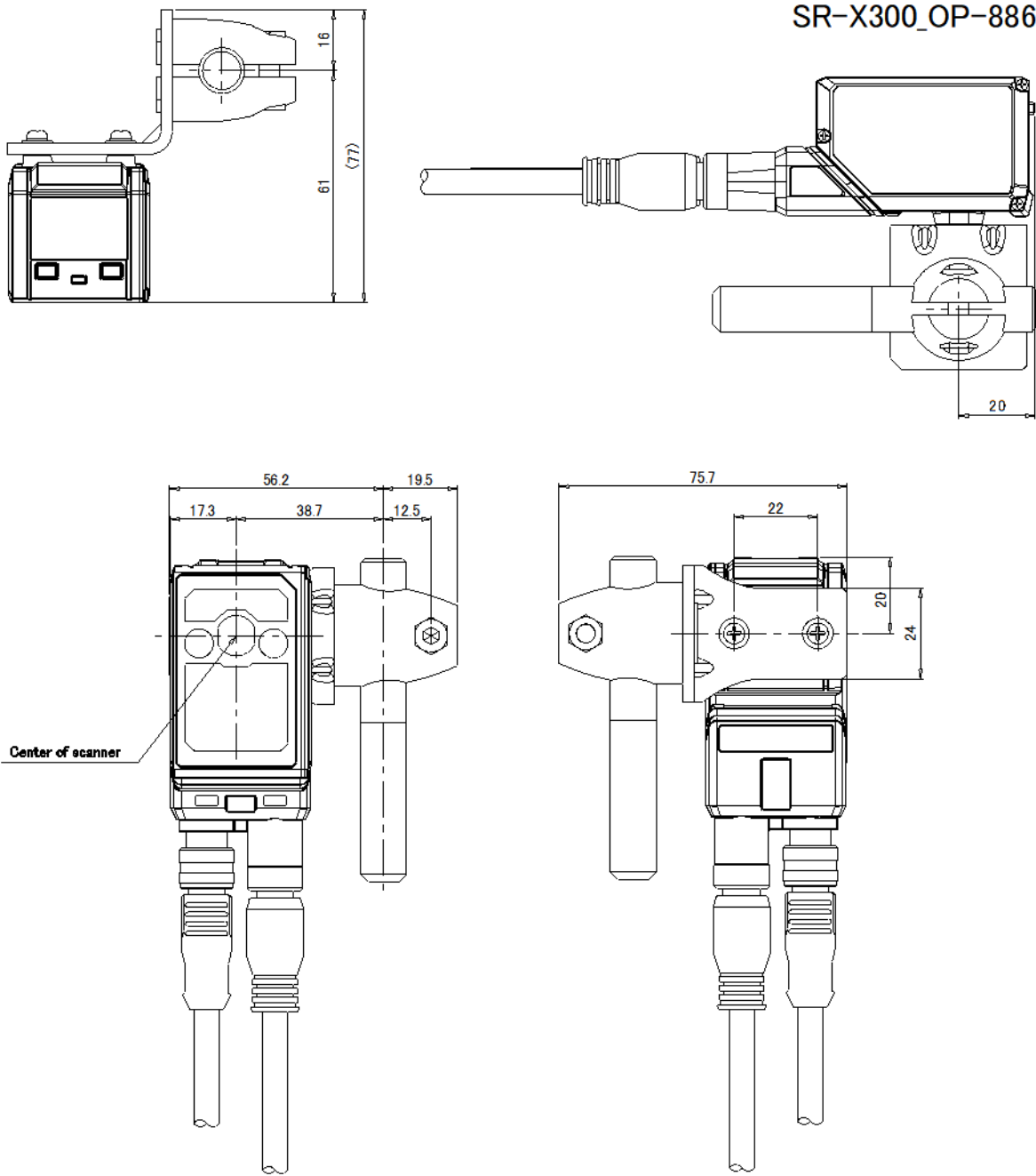
SR-X300



SR-X300\_CABLE

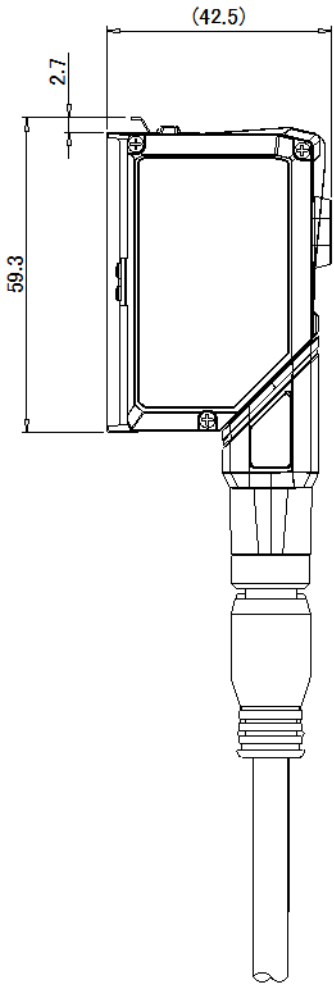
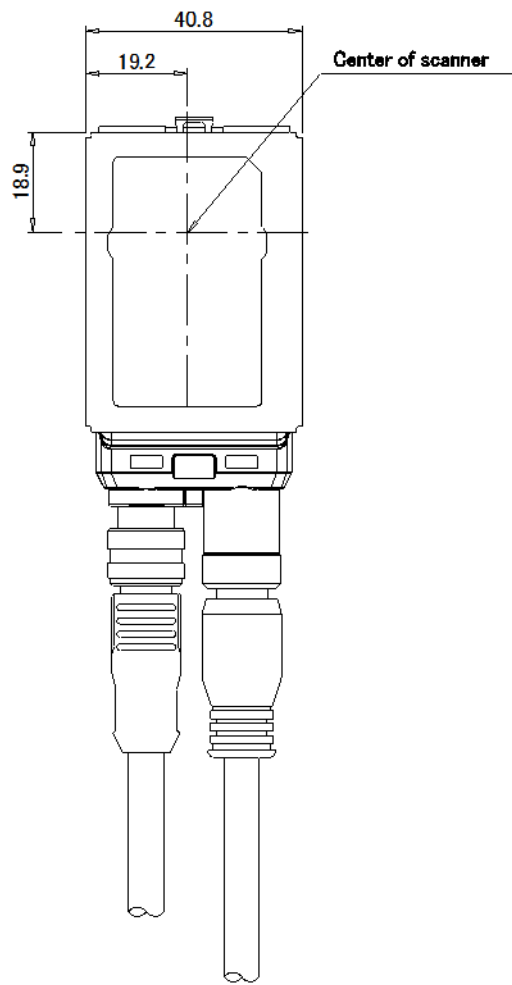
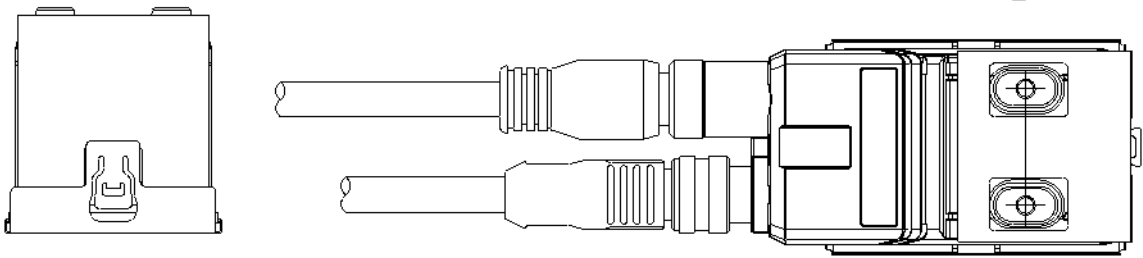


SR-X300\_OP-88697

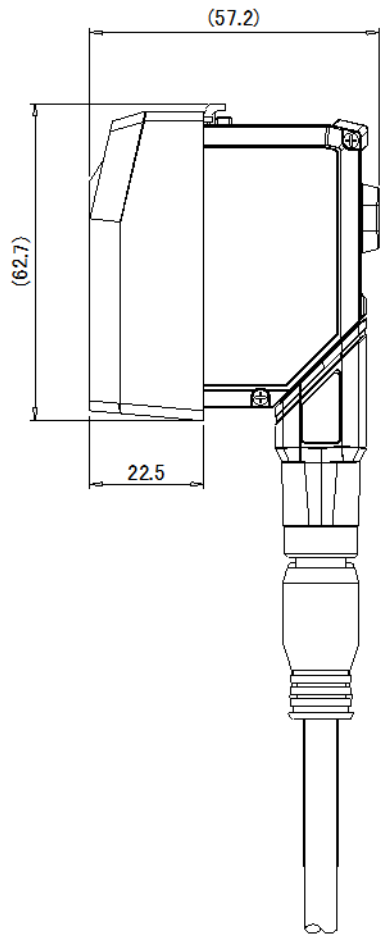
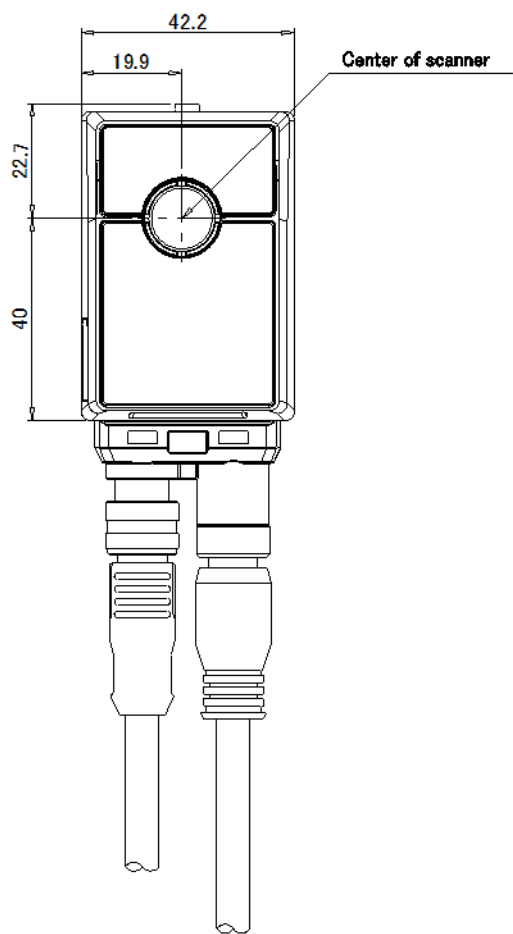
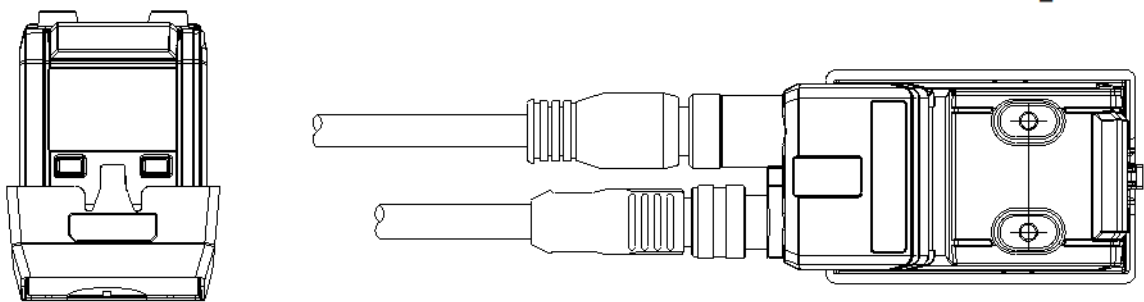


Technical drawing of the SICK IMV 1200 scanner showing three views: front, side, and top. The front view shows a rectangular unit with a sensor window and two cables. Dimensions include a width of 26mm, a height of 17.3mm, and a mounting bracket width of 20mm. The side view shows the unit's profile with a height of 42mm and a mounting bracket width of 37mm. The top view shows the unit's footprint with a width of 52mm and a height of 43.2mm. A label "Center of scanner" points to the sensor window.

SR-X300\_SR-XESD

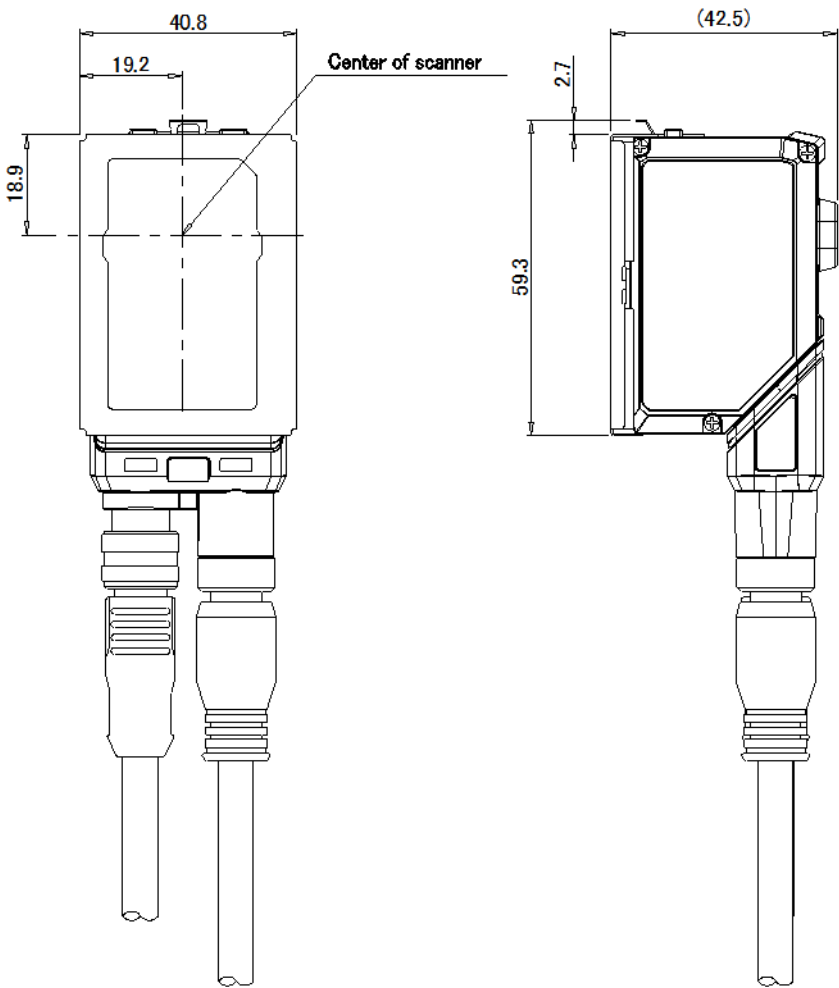
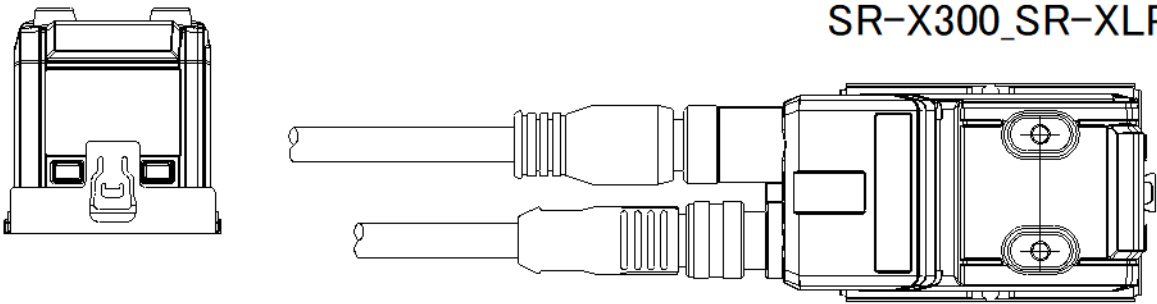


SR-X300\_SR-XHR

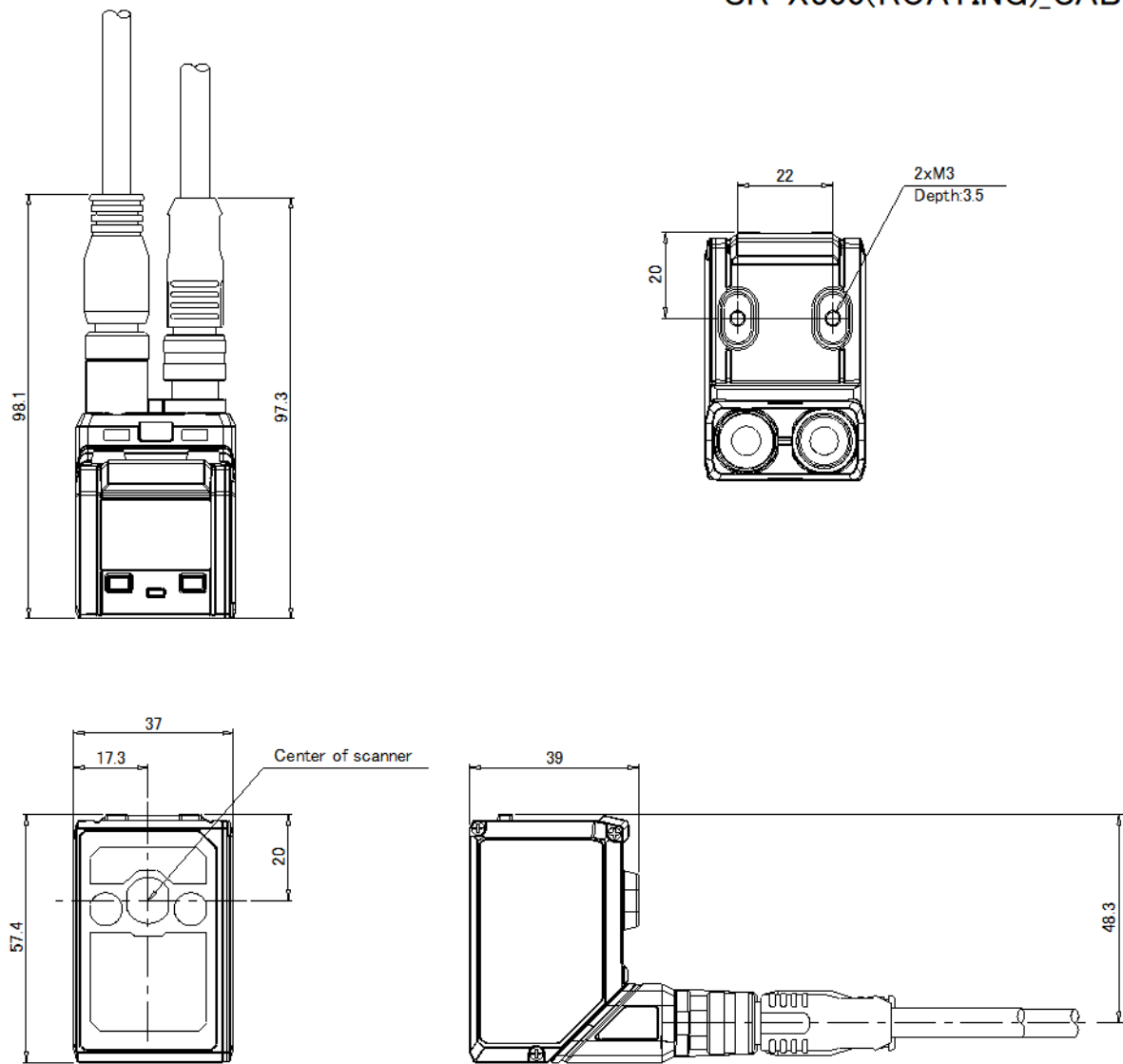




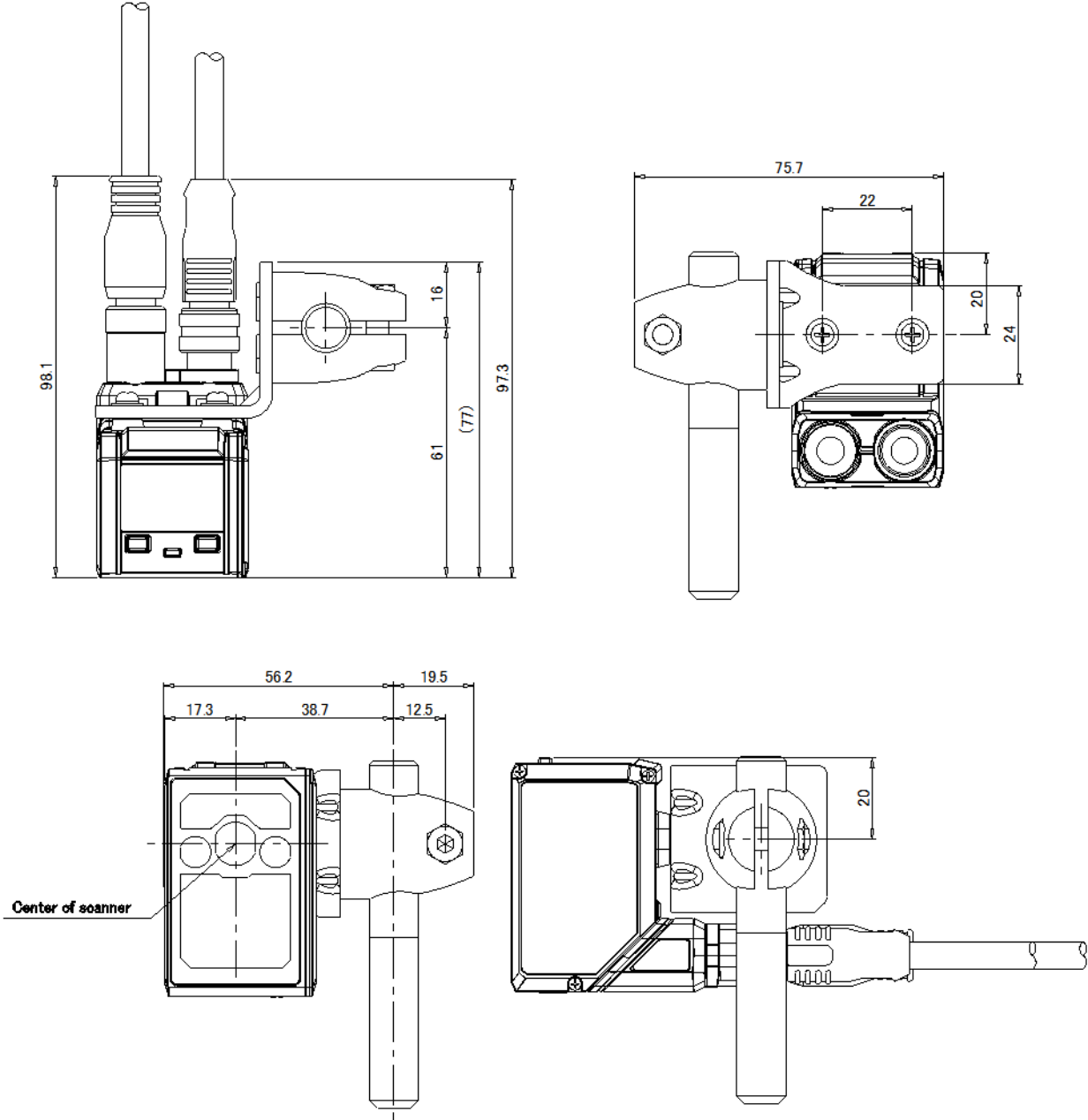
SR-X300\_SR-XLP



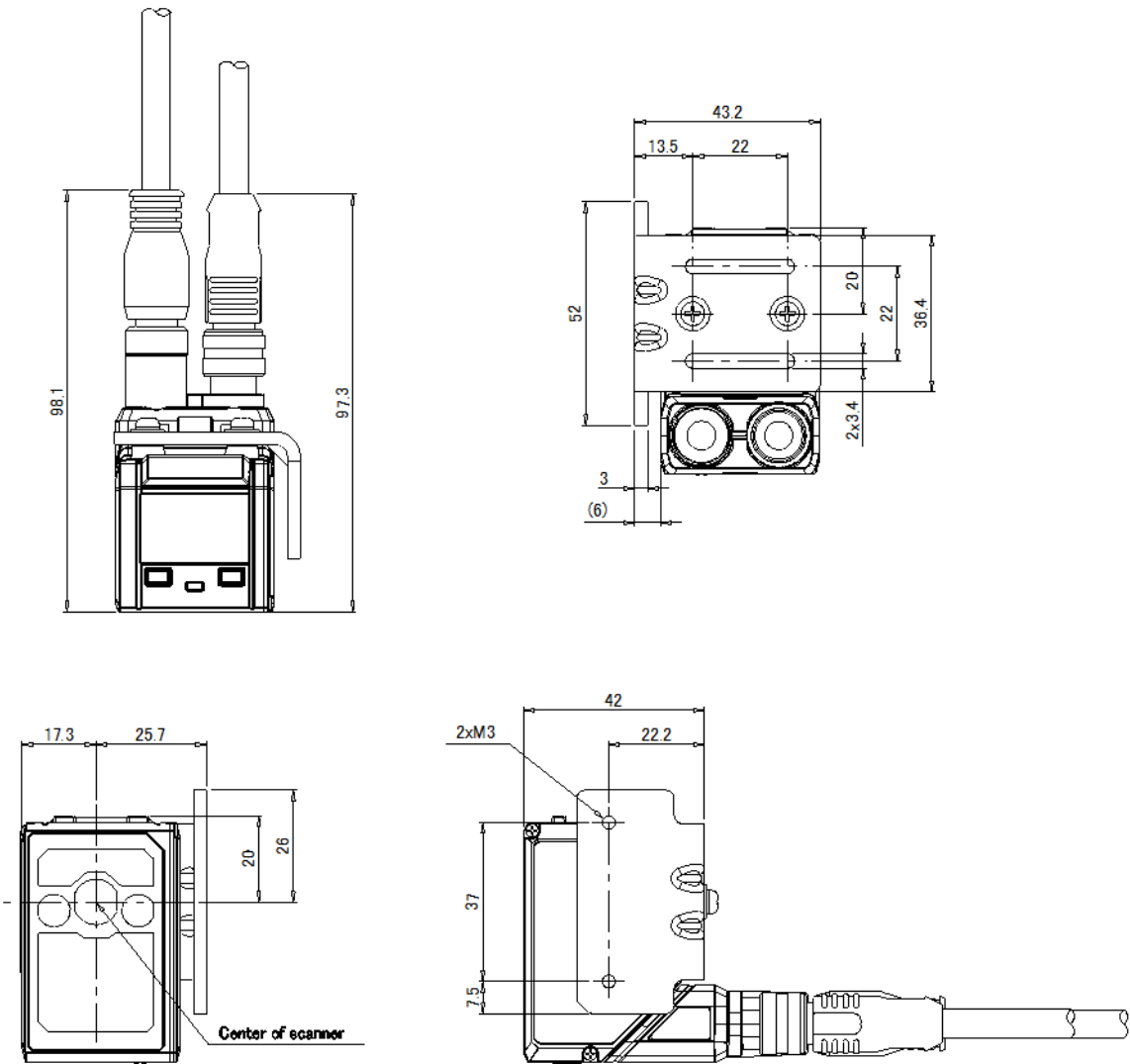
SR-X300(ROATING)\_CABLE



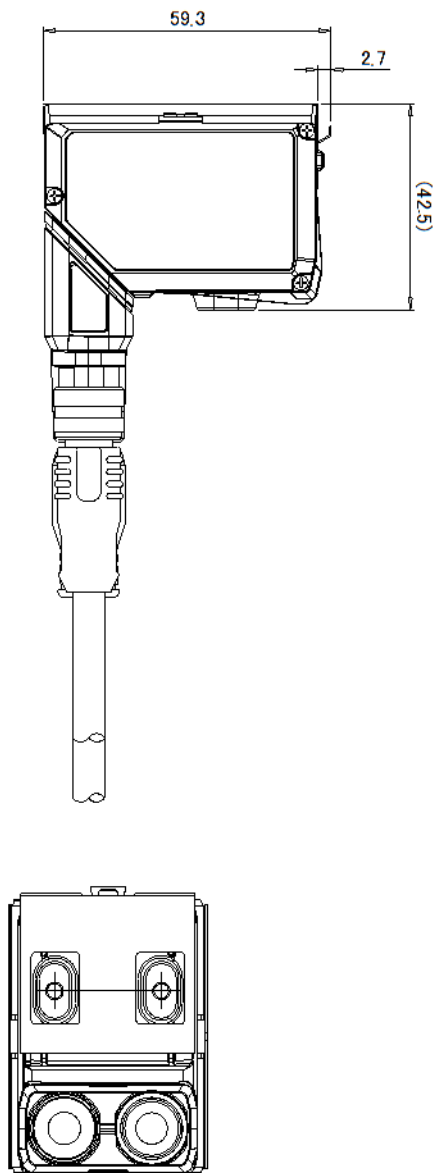
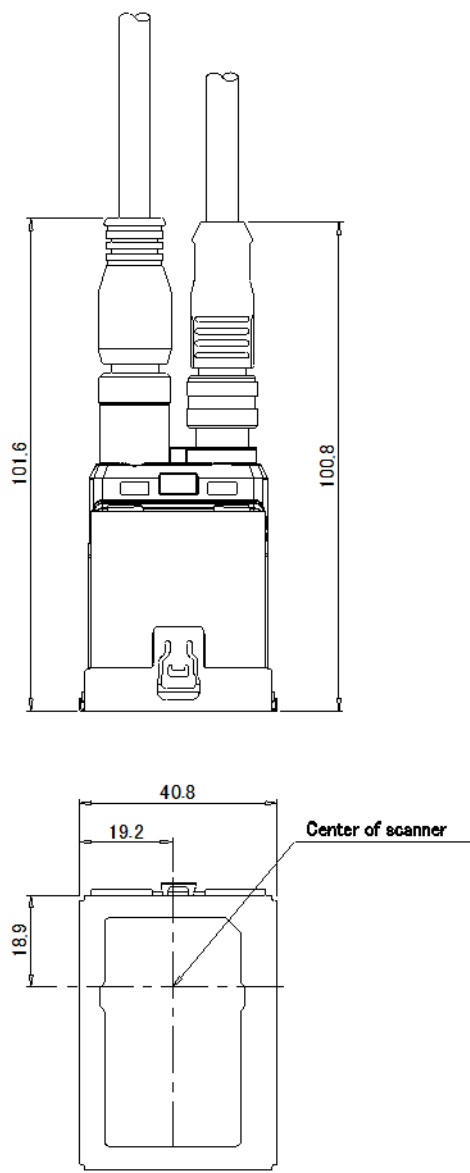
SR-X300(ROATING)\_OP-88697



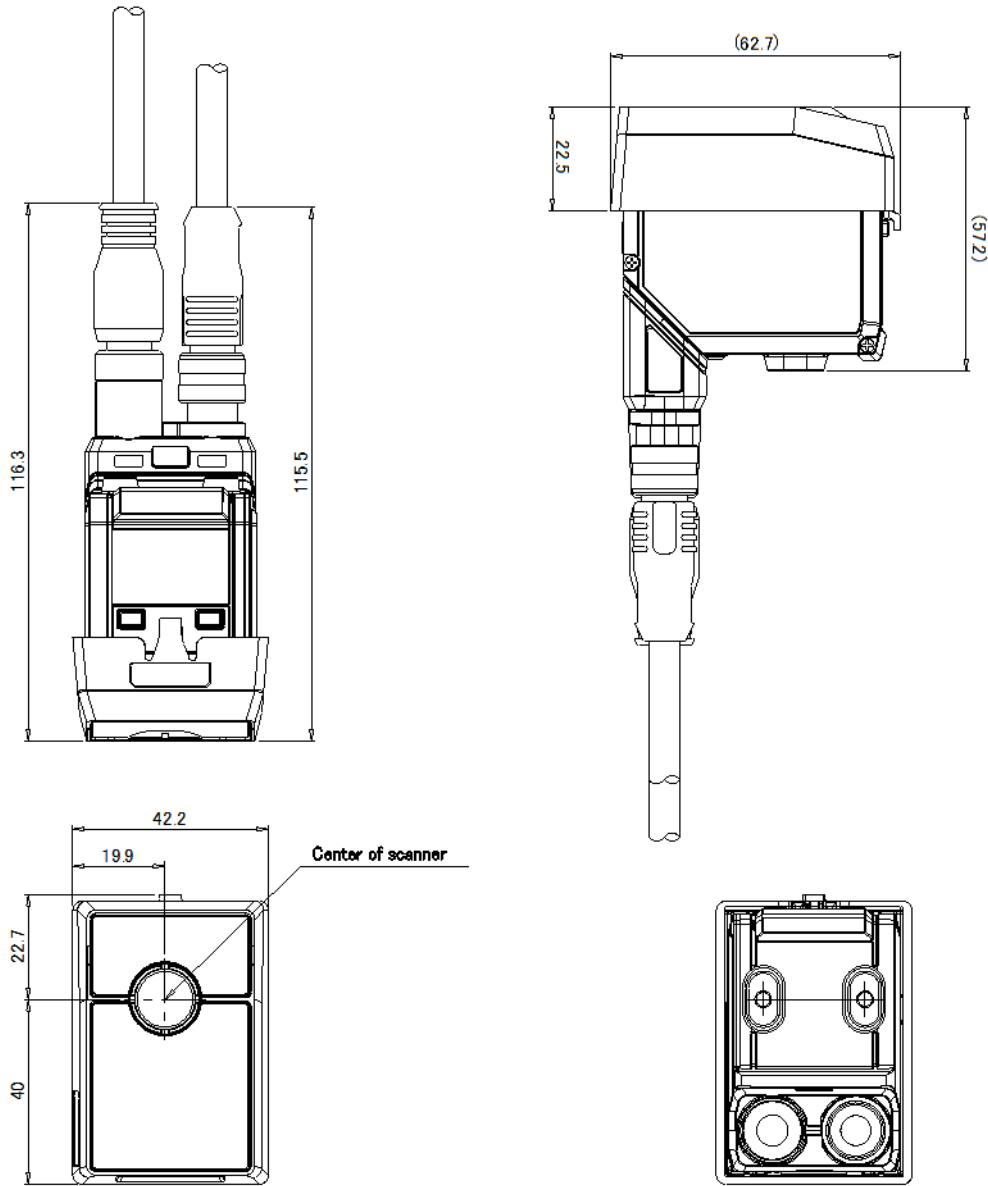
SR-X300(ROATING)\_OP-88698



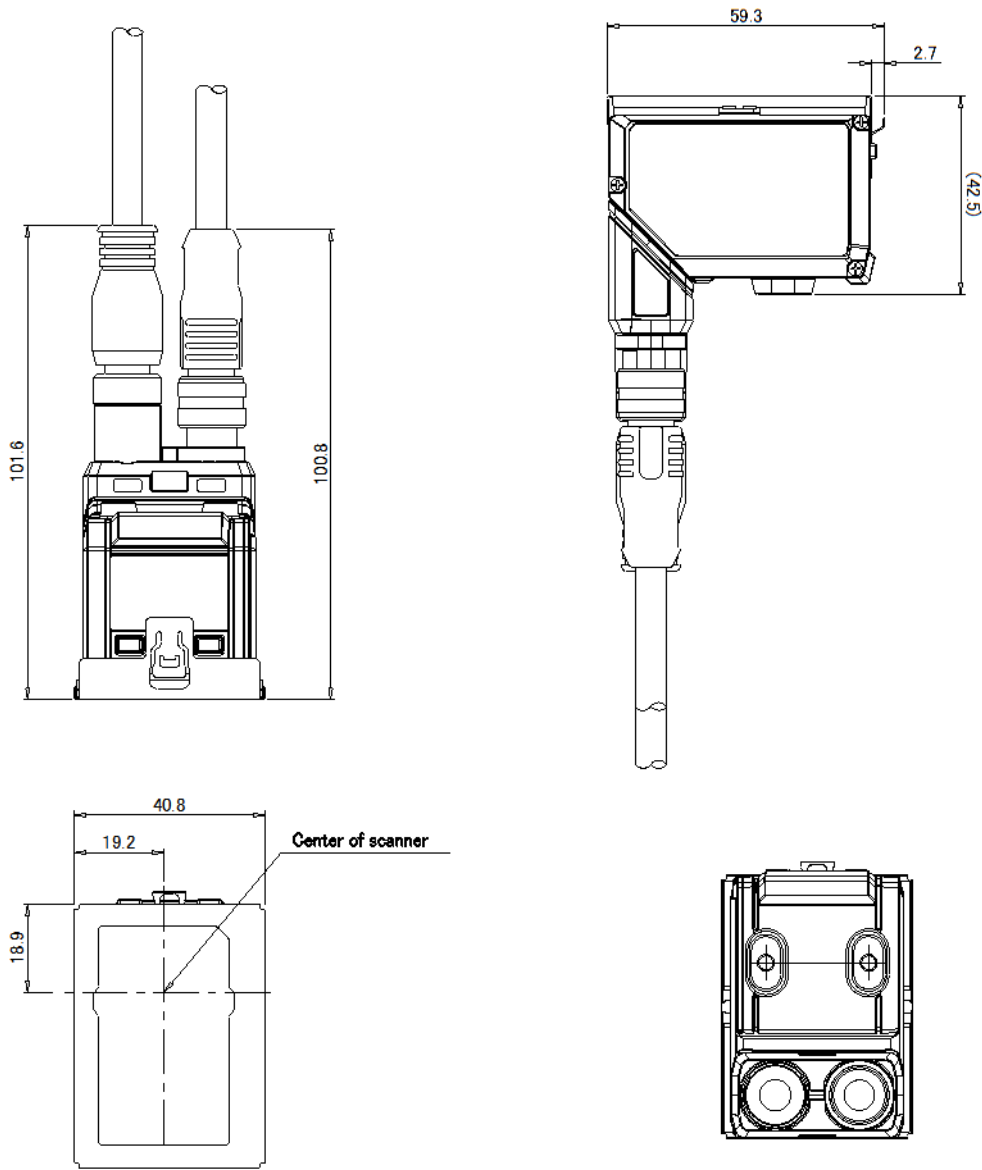
SR-X300(ROATING)\_SR-XESD



SR-X300(ROATING)\_SR-XHR

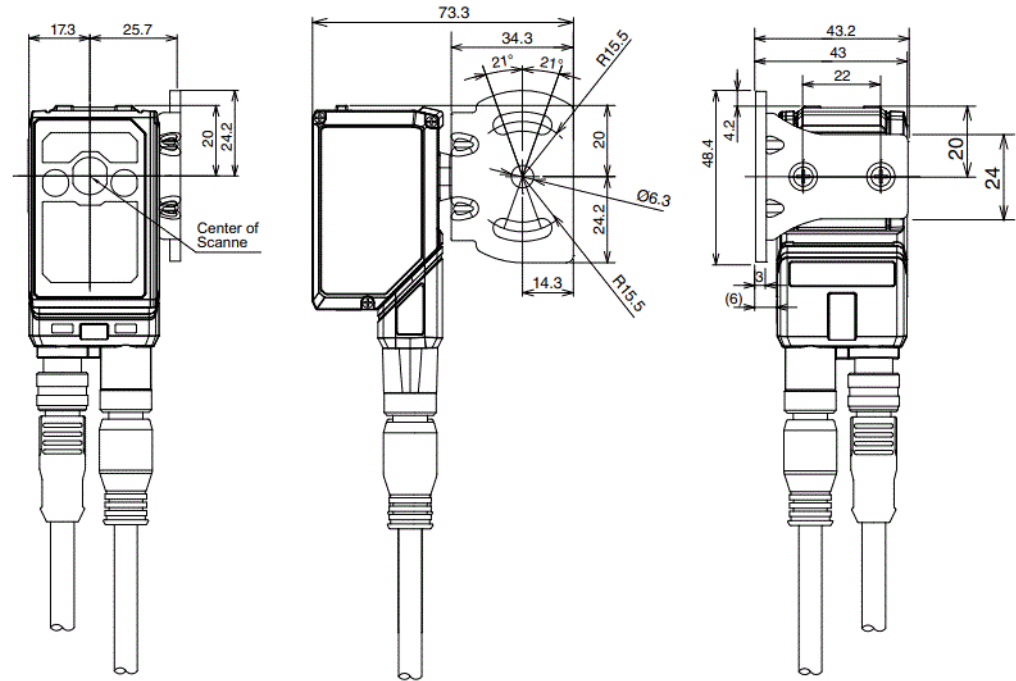


SR-X300(ROATING)\_SR-XLP



● SR-X300+OP-88696

Unit: mm





● SR-X300+OP-88699

Unit: mm

