



SR-X300

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

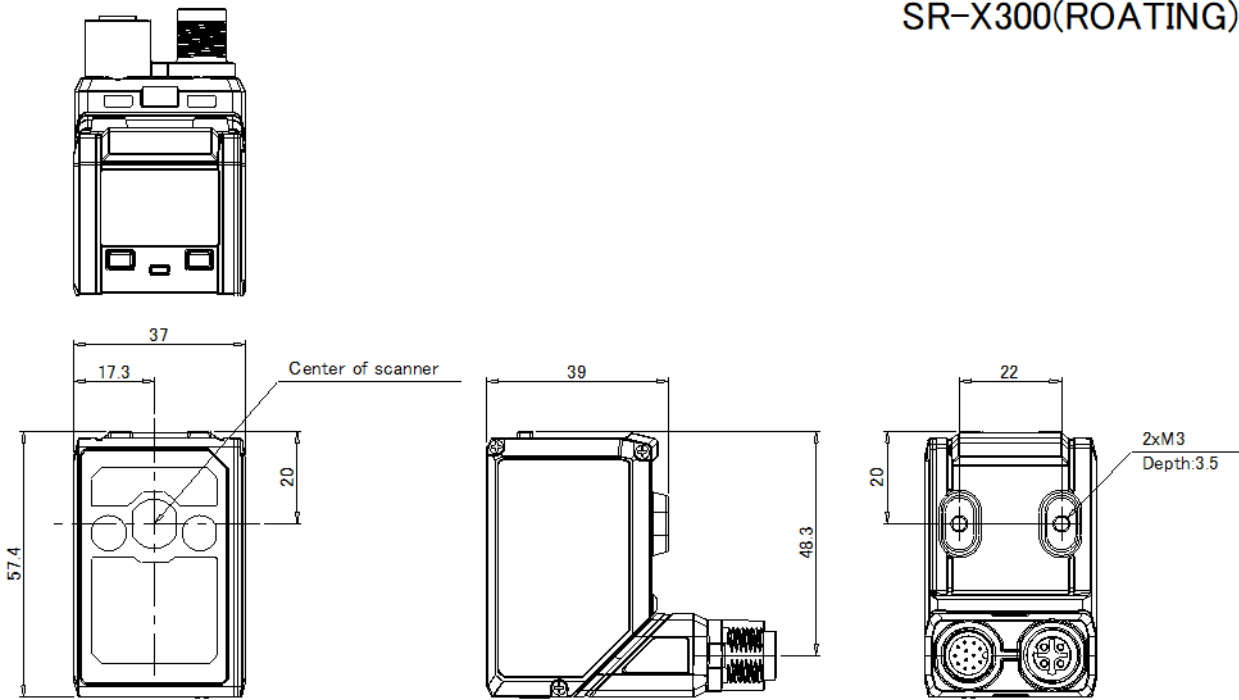
Model			SR-X300 *1
Type			SR-X300: Standard type (2.3 megapixels) SR-X300 + SR-XHR: High-resolution type
Receiver	Sensor		CMOS image sensor
	Number of pixels		1920 × 1200
	Focus		Auto*2
Emitter	Illumination light source		High-intensity red/white LED
	Pointer light source		High-intensity green LED
Reading 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	SR-X300: 0.024 mm 0.0009" SR-X300 + SR-XHR: 0.010 mm 0.0004"
		Barcodes	0.082 mm 0.0032"
	Reading distance		SR-X300: 70 to 1000 mm 2.76" to 39.37" SR-X300 + SR-XHR: 32 to 47 mm 1.26" to 1.85"
	Reading field of view		SR-X300: 104 × 65 mm 4.09" × 2.56" (at a distance of 300 mm 11.81") SR-X300 + SR-XHR: 12.3 × 7.7 mm 0.48" × 0.30" (at a distance of 47 mm 1.85")
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, SNTP, 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			SR-X300: Approx. 200 g 7.06 oz SR-X300 + SR-XHR: Approx. 225 g 7.94 oz

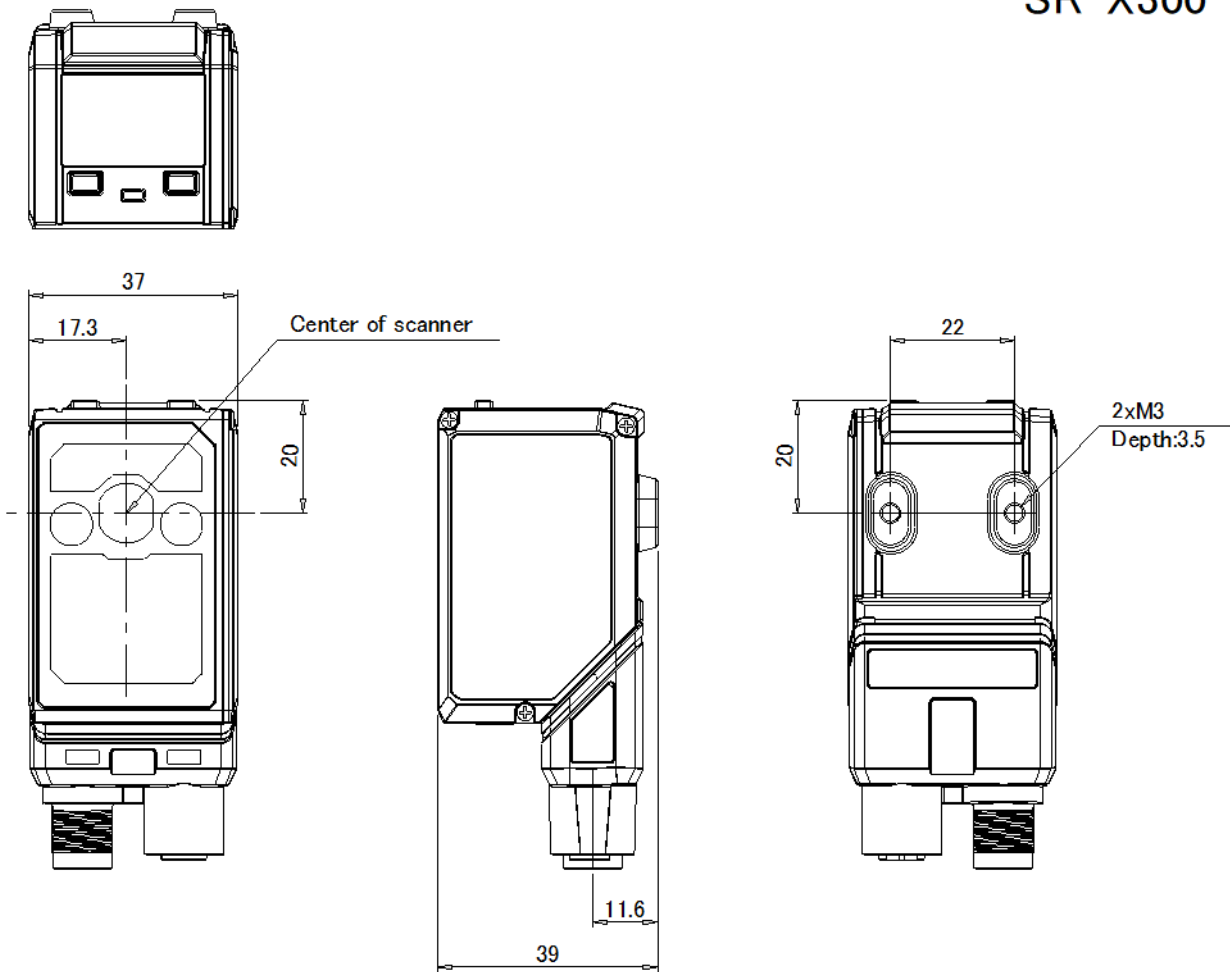
*1 System ROM rewrites: 100000
*2 The focal position can be adjusted automatically during installation or tuning.
*3 Attach a USB port cover to meet the protective structural specification.

Dimensions

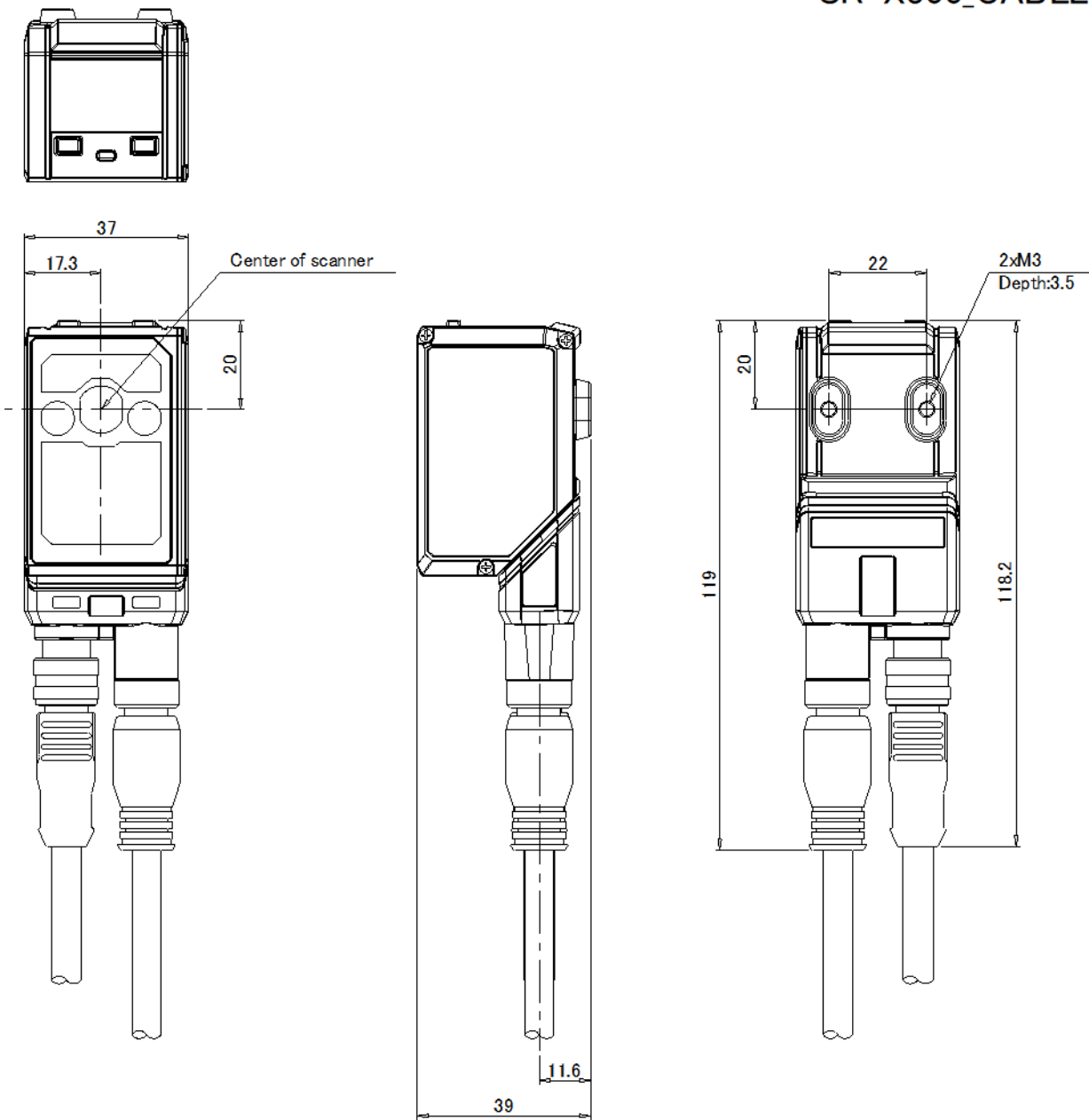
* Download CAD file or product manual for larger image/text and more detail.



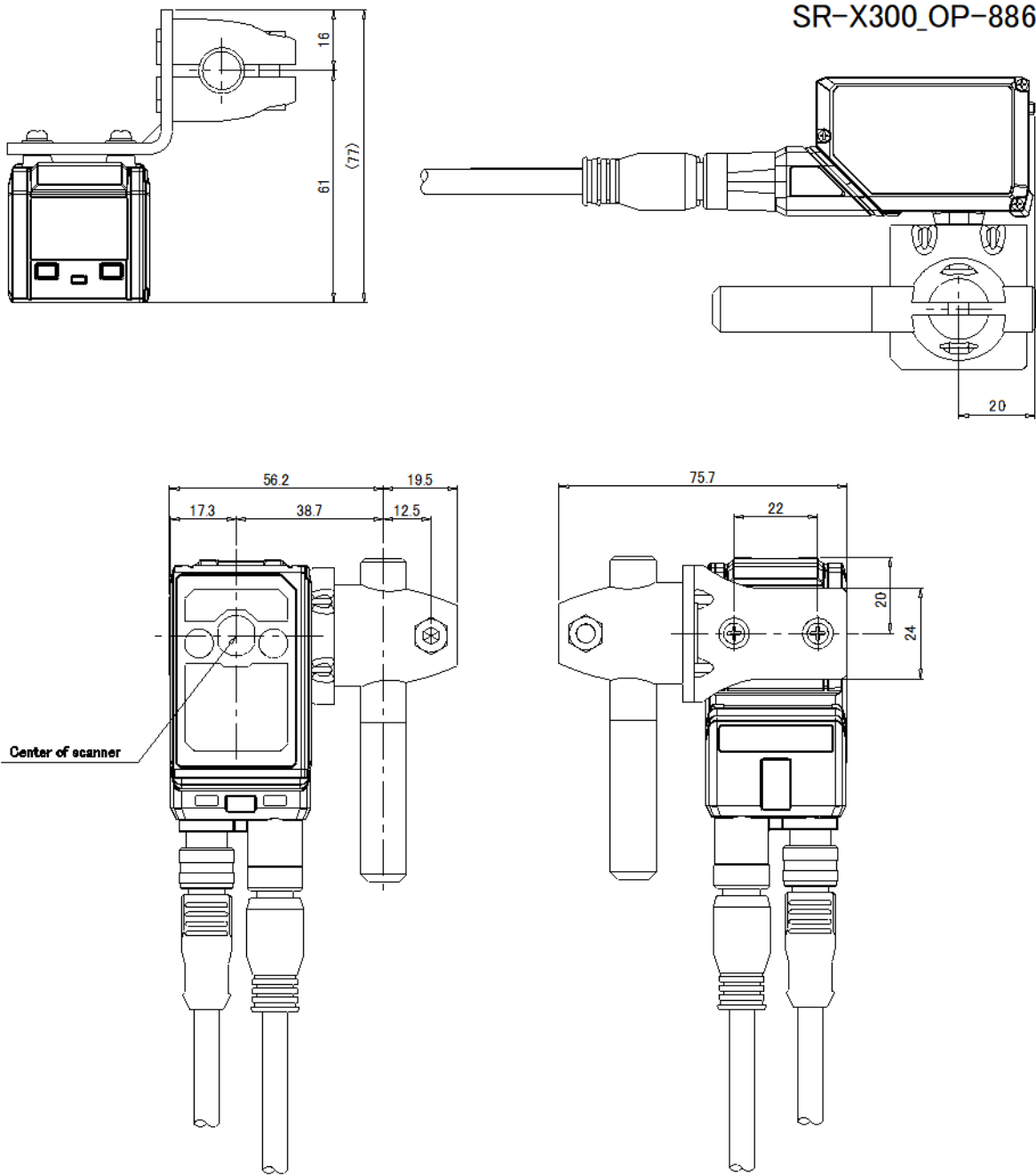
SR-X300



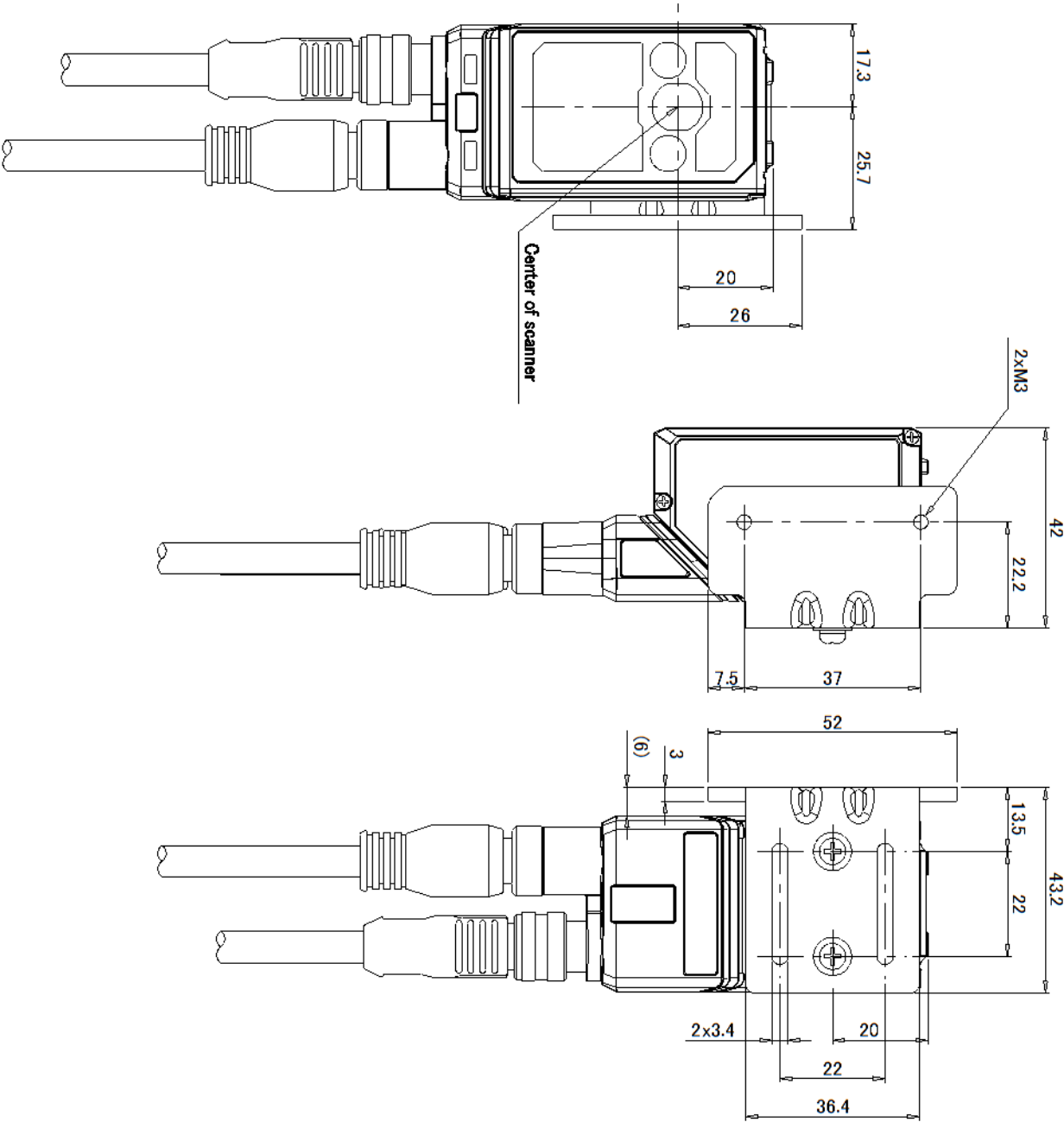
SR-X300_CABLE



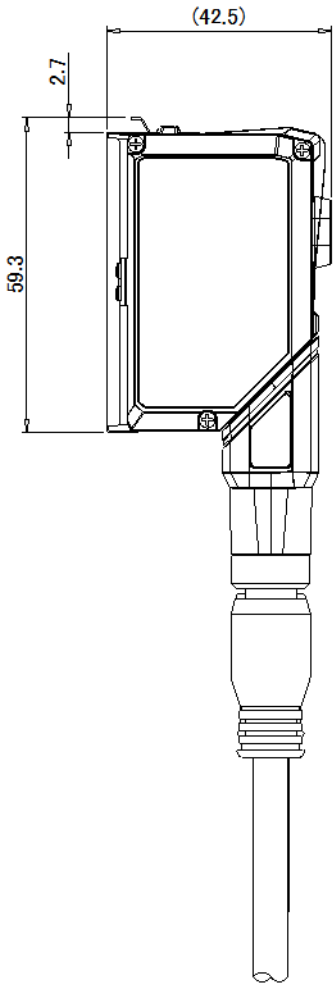
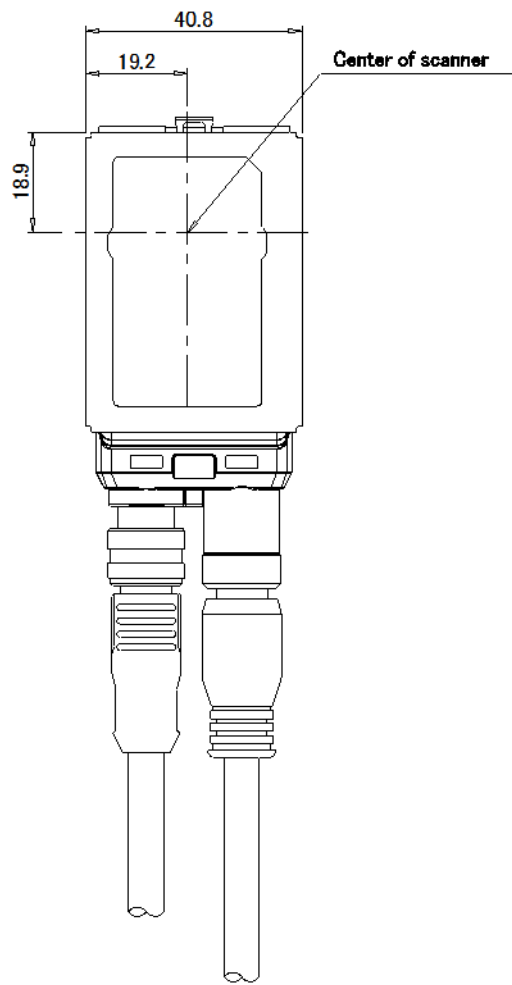
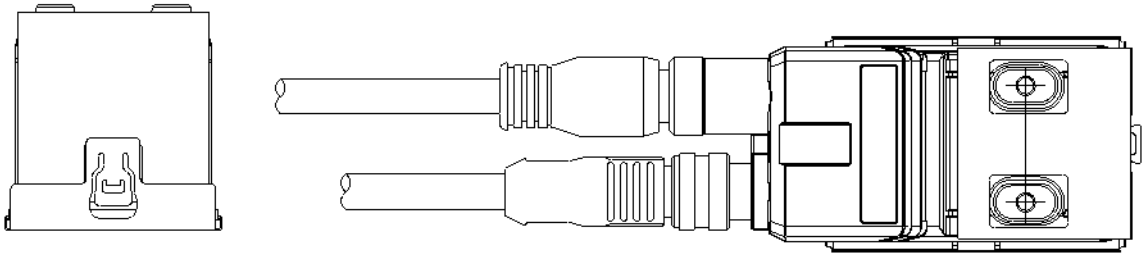
SR-X300_OP-88697



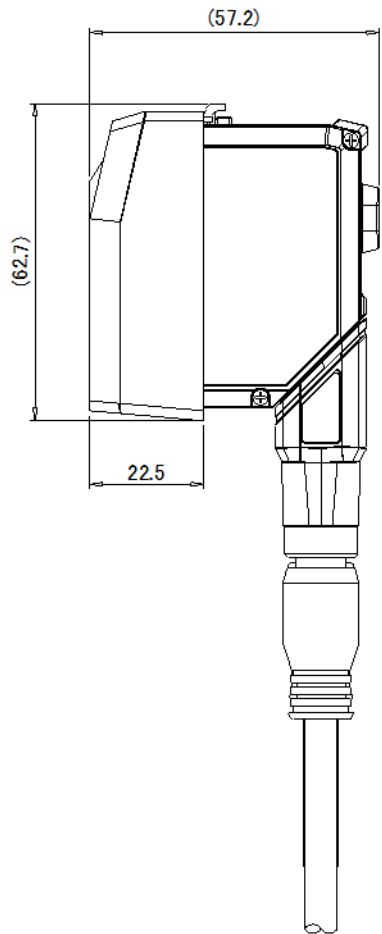
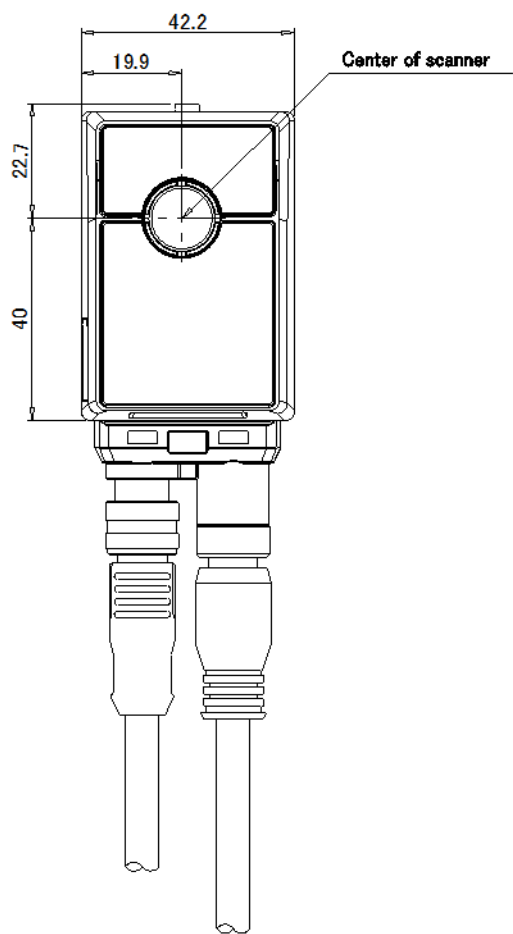
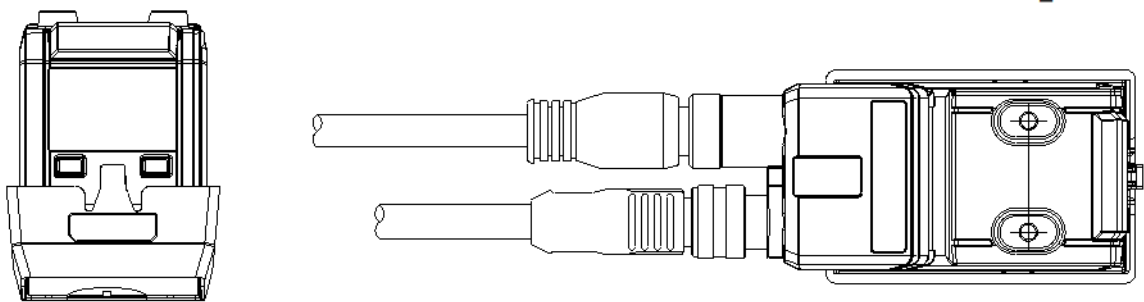
SR-X300_OP-88698



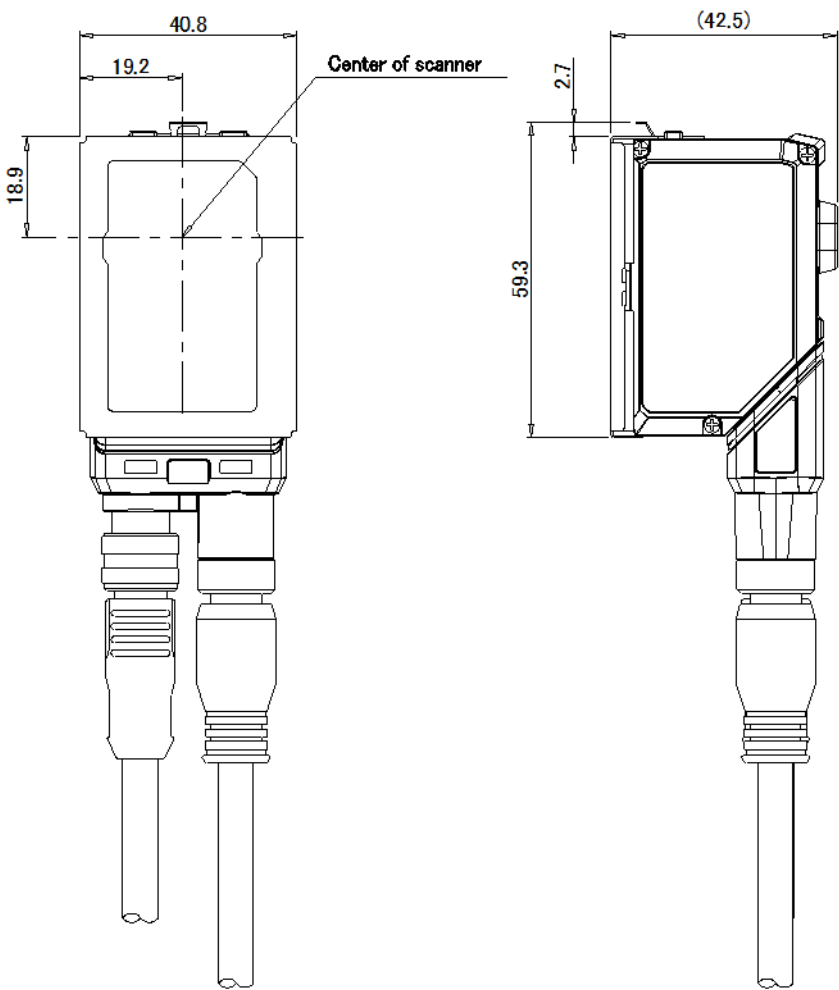
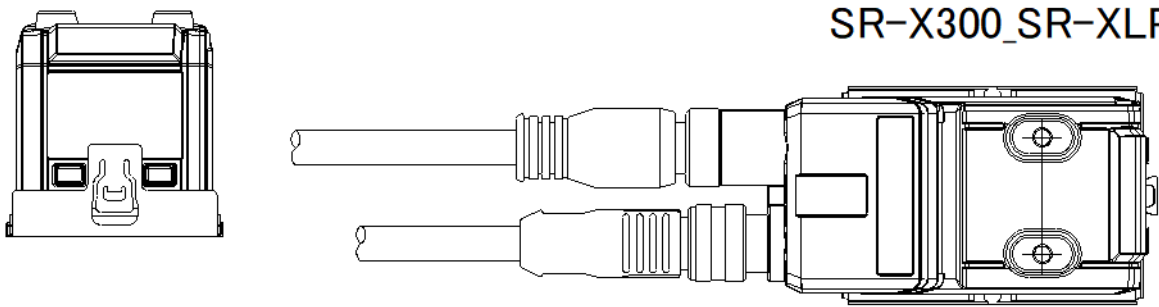
SR-X300_SR-XESD



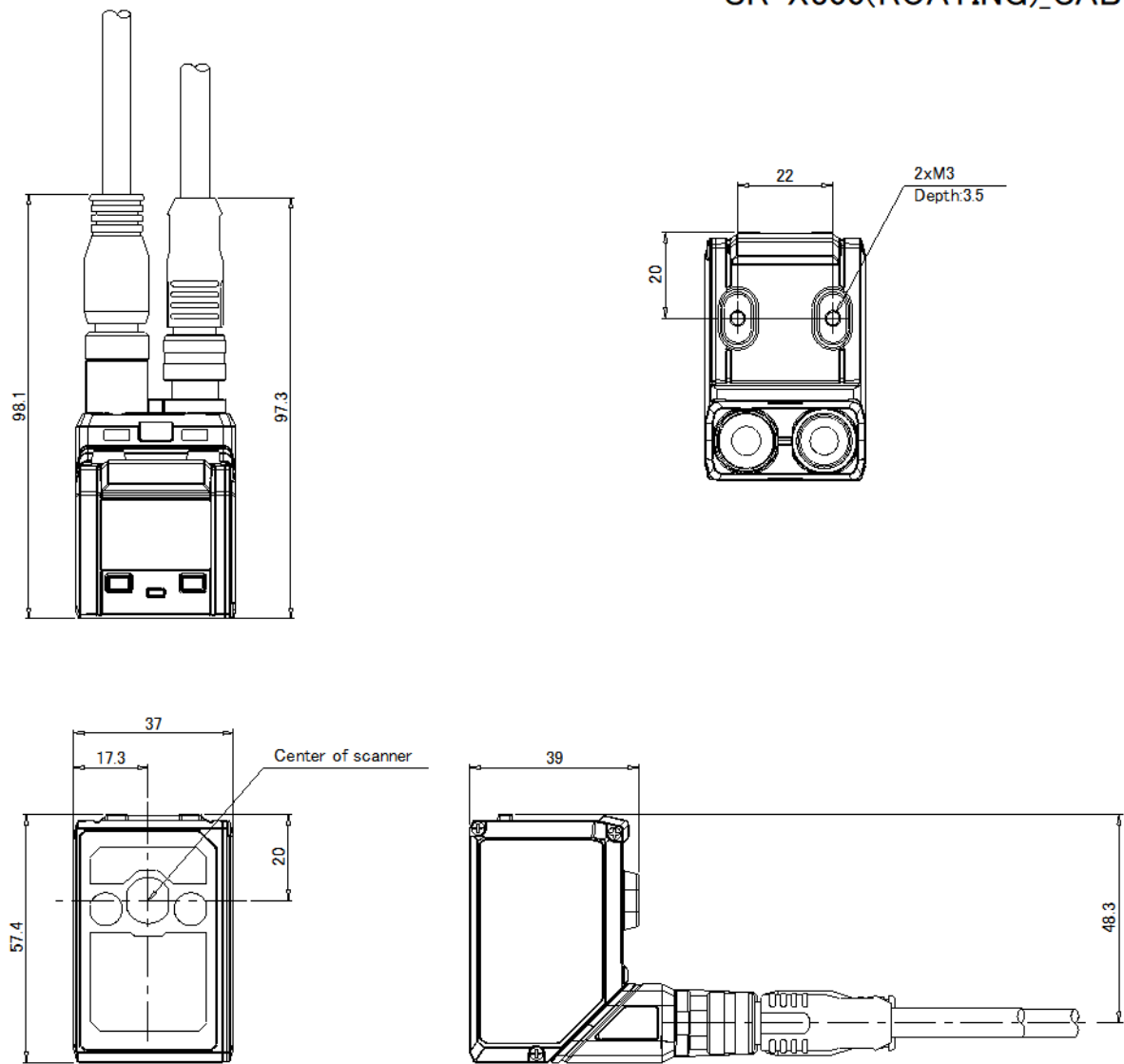
SR-X300_SR-XHR



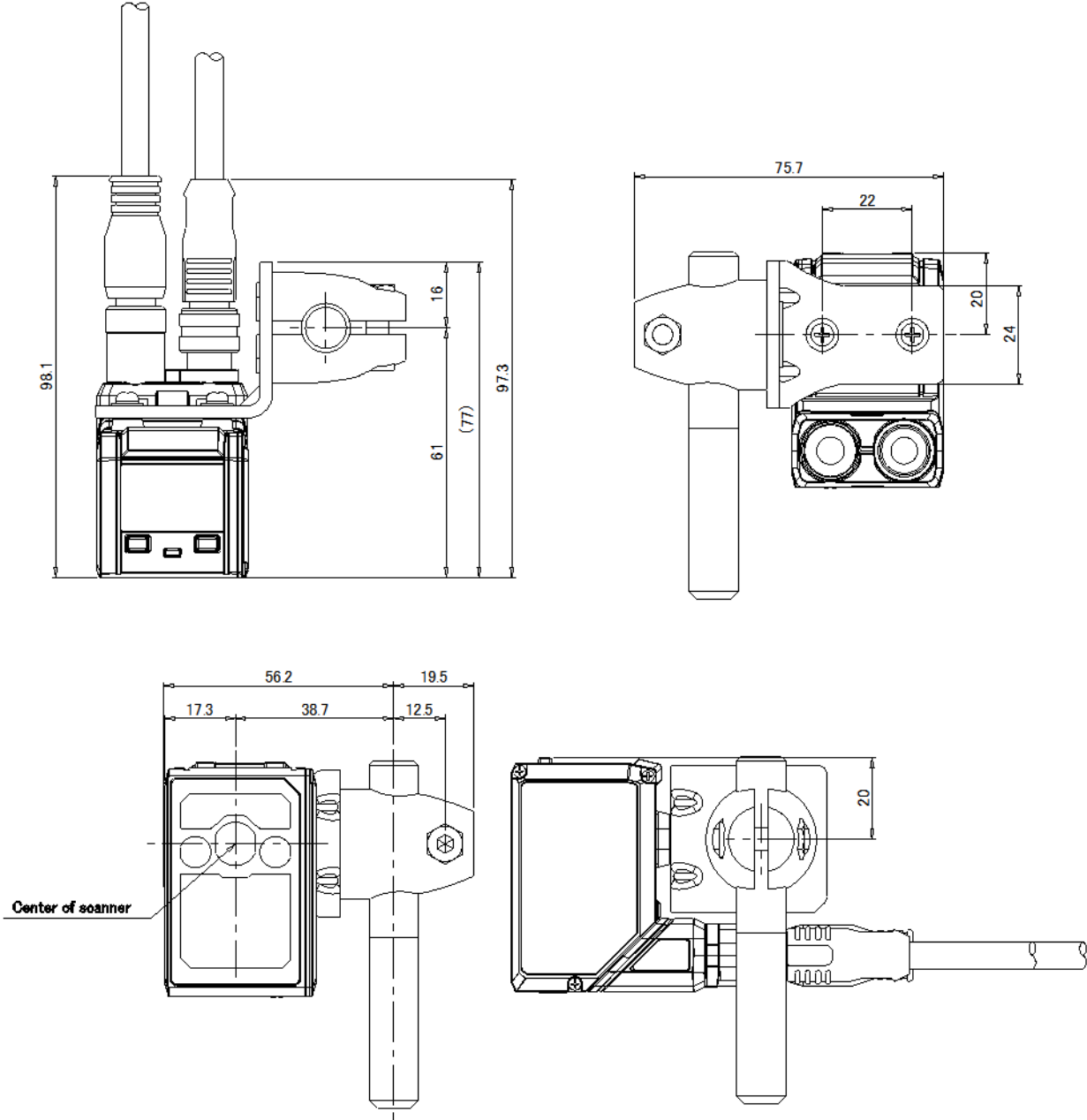
SR-X300_SR-XLP



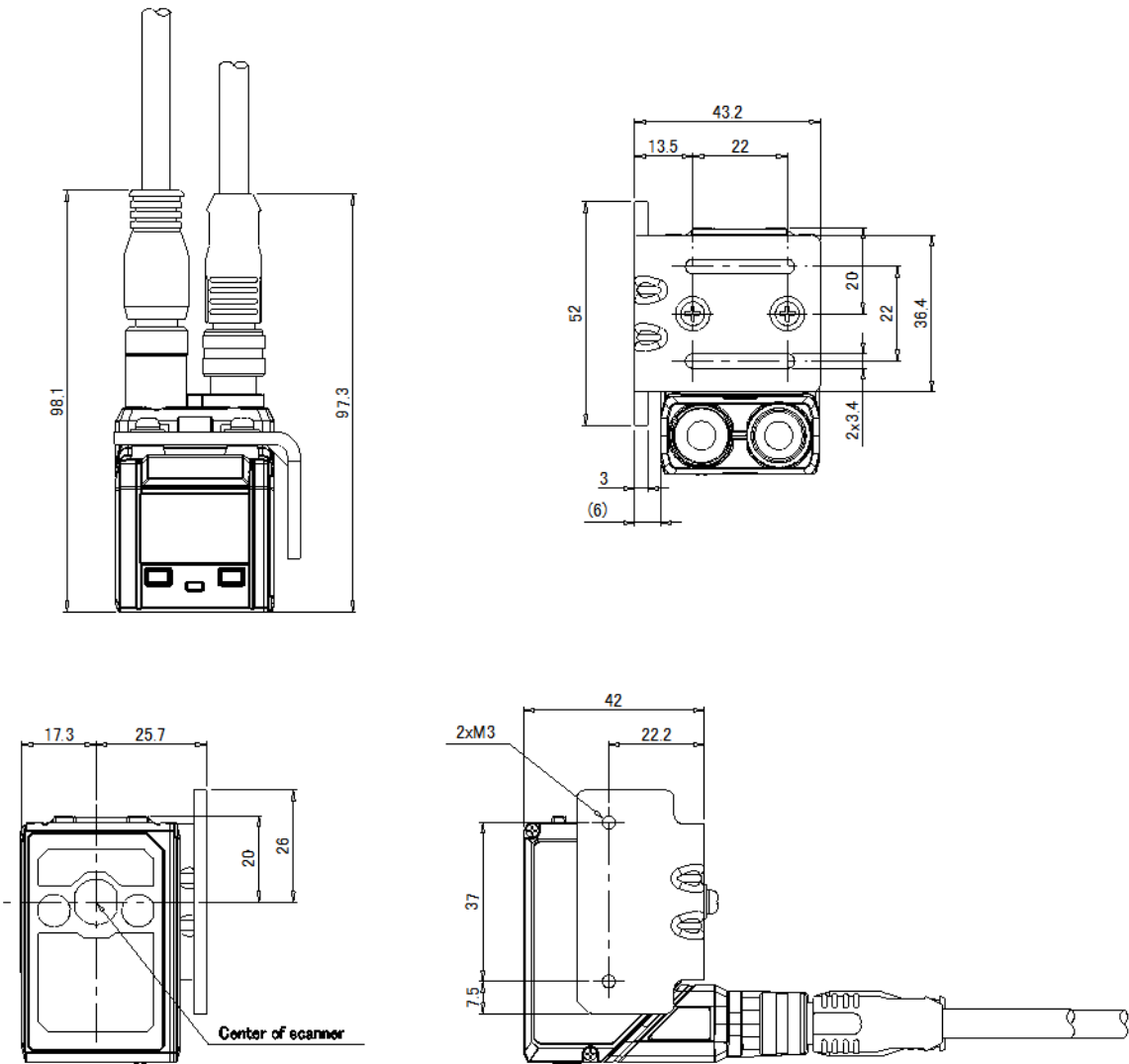
SR-X300(ROATING)_CABLE



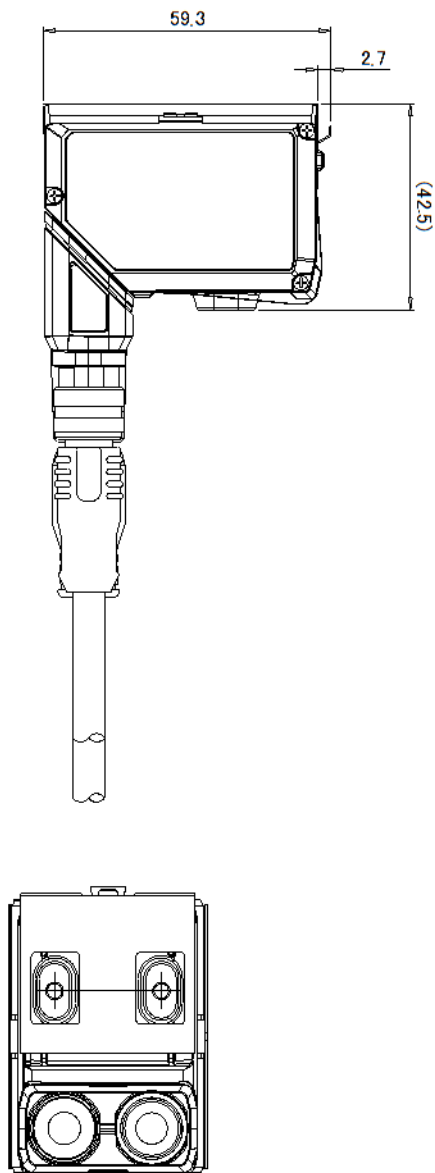
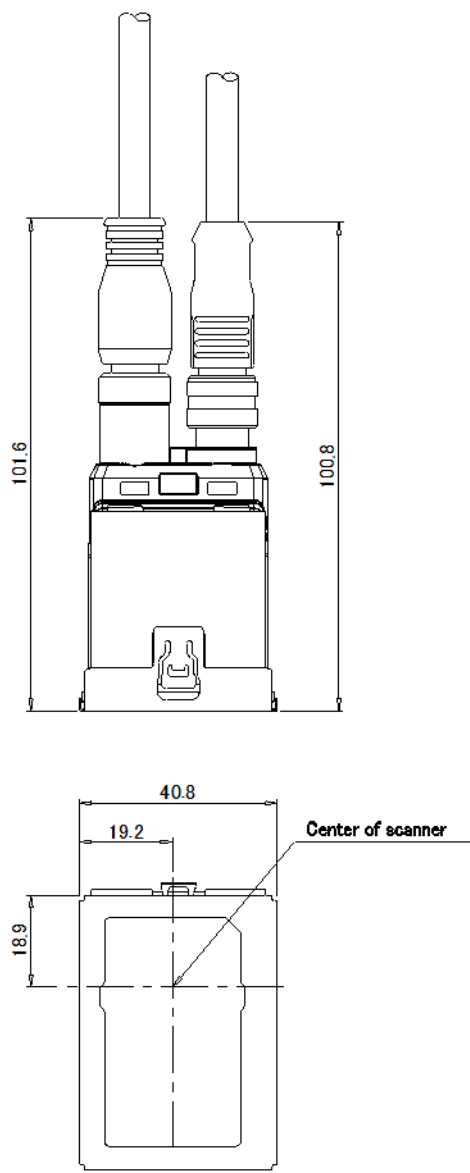
SR-X300(ROATING)_OP-88697



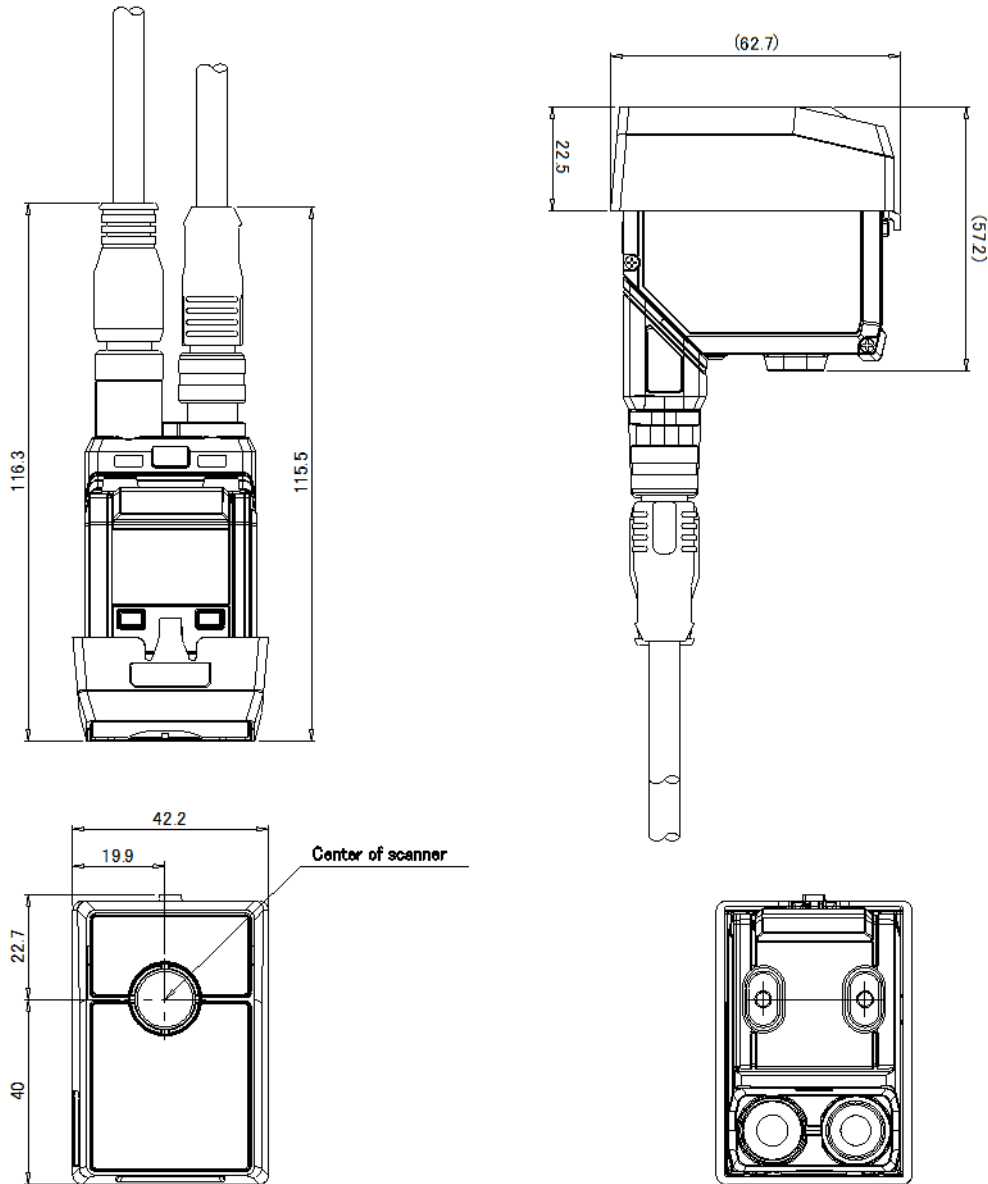
SR-X300(ROATING)_OP-88698



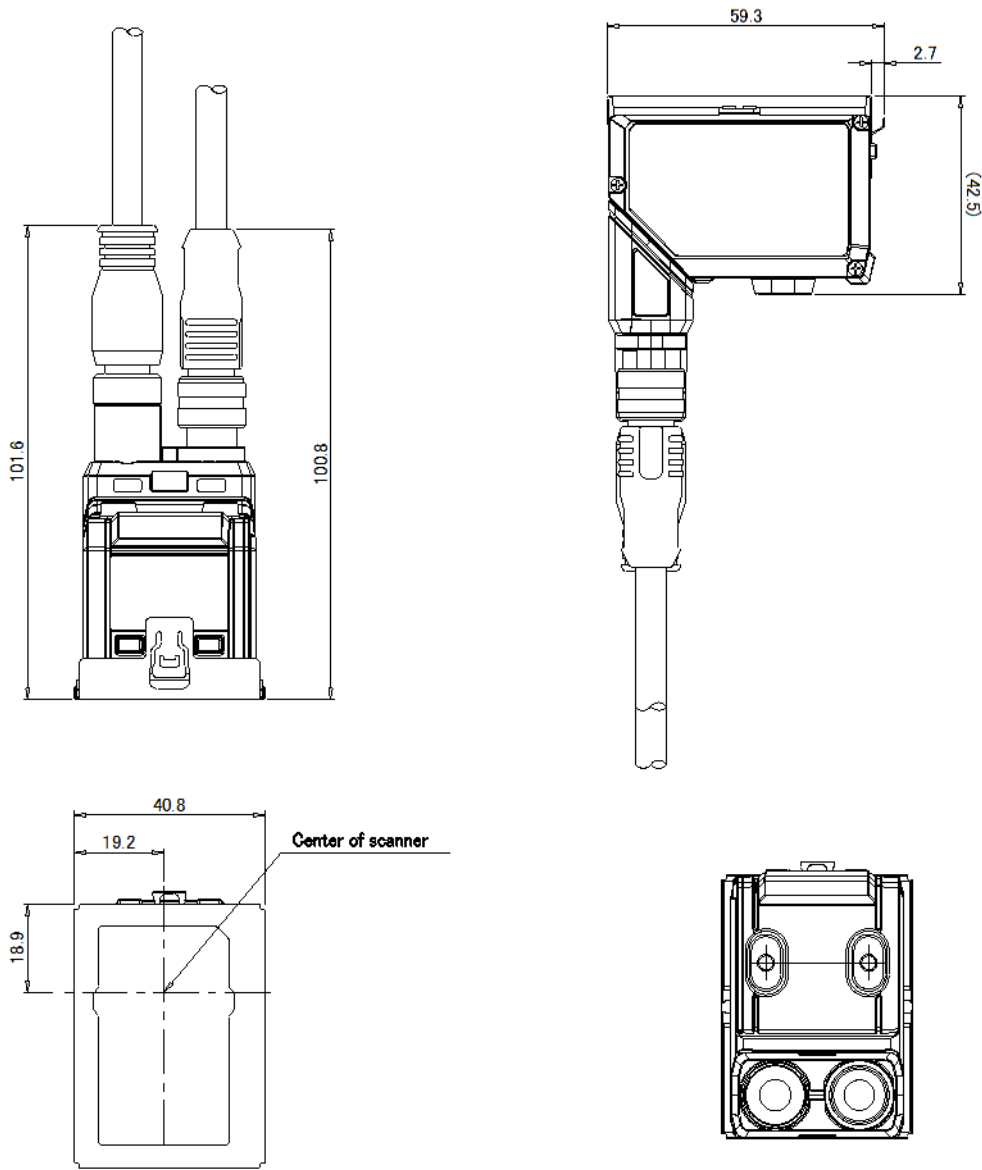
SR-X300(ROATING)_SR-XESD



SR-X300(ROATING)_SR-XHR

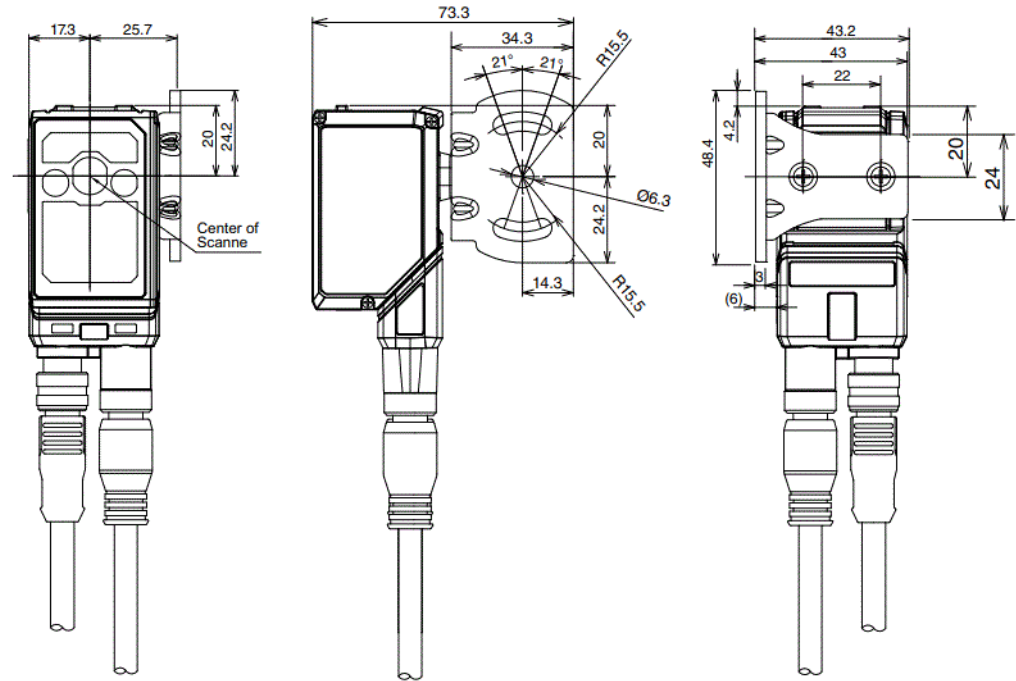


SR-X300(ROATING)_SR-XLP



● SR-X300+OP-88696

Unit: mm



● SR-X300+OP-88699

Unit: mm

