KEYENCE

SR-X100
Autofocus Code Reader

CE UL LISTED

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

Specifications

Model			SR-X100 *1*2
Type			Standard type (1.4 megapixels)
Receiver	Sensor		CMOS image sensor
	Number of pixels		1360 × 1024
	Focus		Auto*3
Emitter	Illumination light source		High-intensity red LED*4
	Pointer light source		High-intensity green LED*4
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	0.024 mm
		Barcodes	0.082 mm
	Reading distance		70 to 1000 mm
	Reading field of view		74 × 55 mm (at a distance of 300 mm)
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
	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. 650 mA
Environmental resistance	Enclosure rating		IP65/IP67 (IEC60529)*5
	Ambient temperature		0 to +45°C
	Relative humidity		35 to 85% RH (No condensation)
	Storage temperature		-10 to +50°C
	Storage relative humidity		35 to 85% RH (No condensation)
Weight			Approx. 180 g

*1 SR-X100 series does not support the AI filter function.
*2 System ROM rewrites: 100000
*3 The focal position can be adjusted automatically during installation or tuning.
*4 LEDs and lamps are classified as shown below according to IEC 62471 (JIS C 7550).
• Exempt group: Objects that do not cause any photobiological damage.
• Risk group 1 (low risk): Objects that do not cause damage that makes constraints on normal actions necessary.
• Risk group 2 (moderate risk): Objects that do not cause damage accompanied by unpleasant feelings and thermal discomfort.
• Risk group 3 (high risk): Objects that cause damage even due to temporary or short-term exposure.
The risk groups for this product are listed below.
Pointer light source (Green): Risk group 1
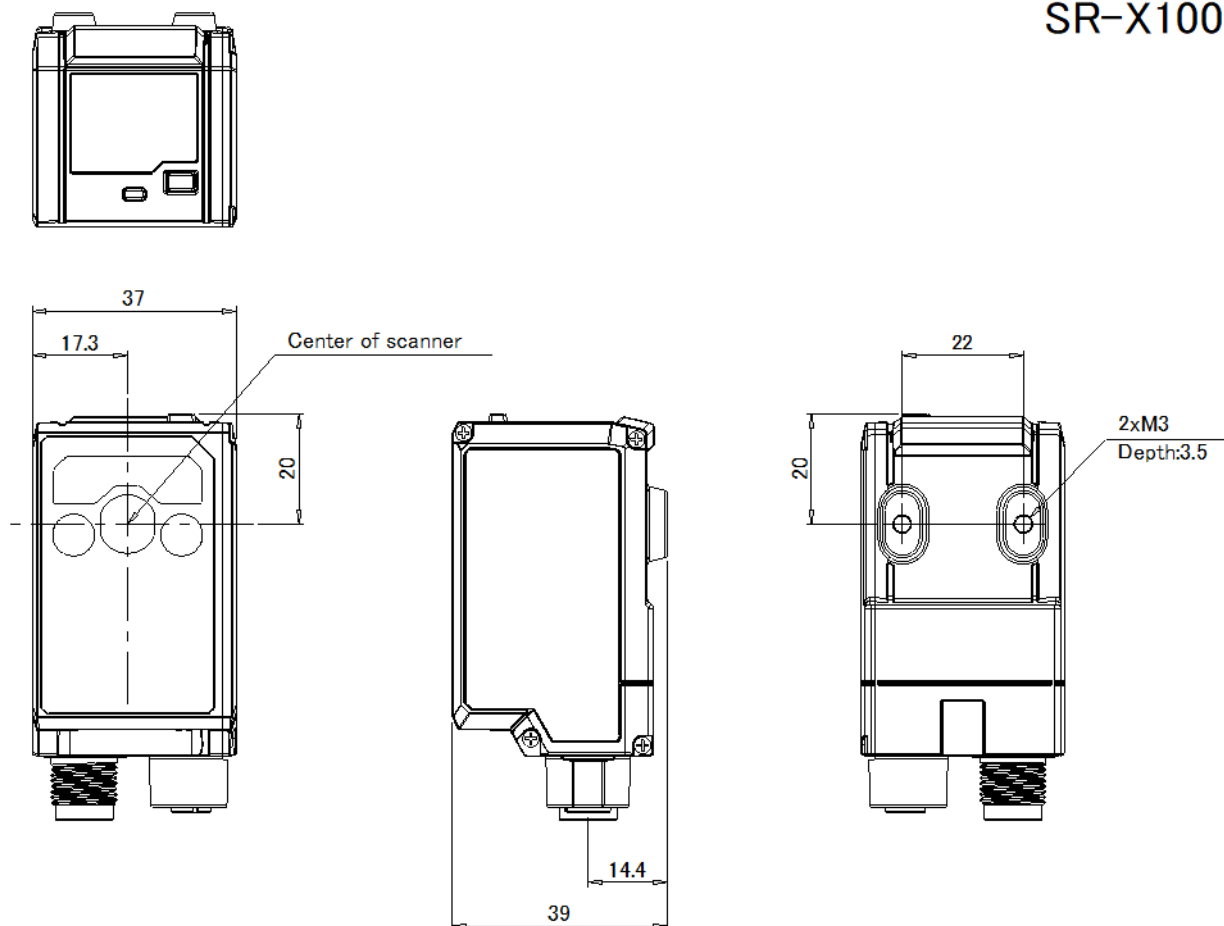Illumination light source (Red): Risk group 1
Illumination light source (White), Advance only: Risk group 1
*5 Attach a USB port cover to meet the protective structural specification.
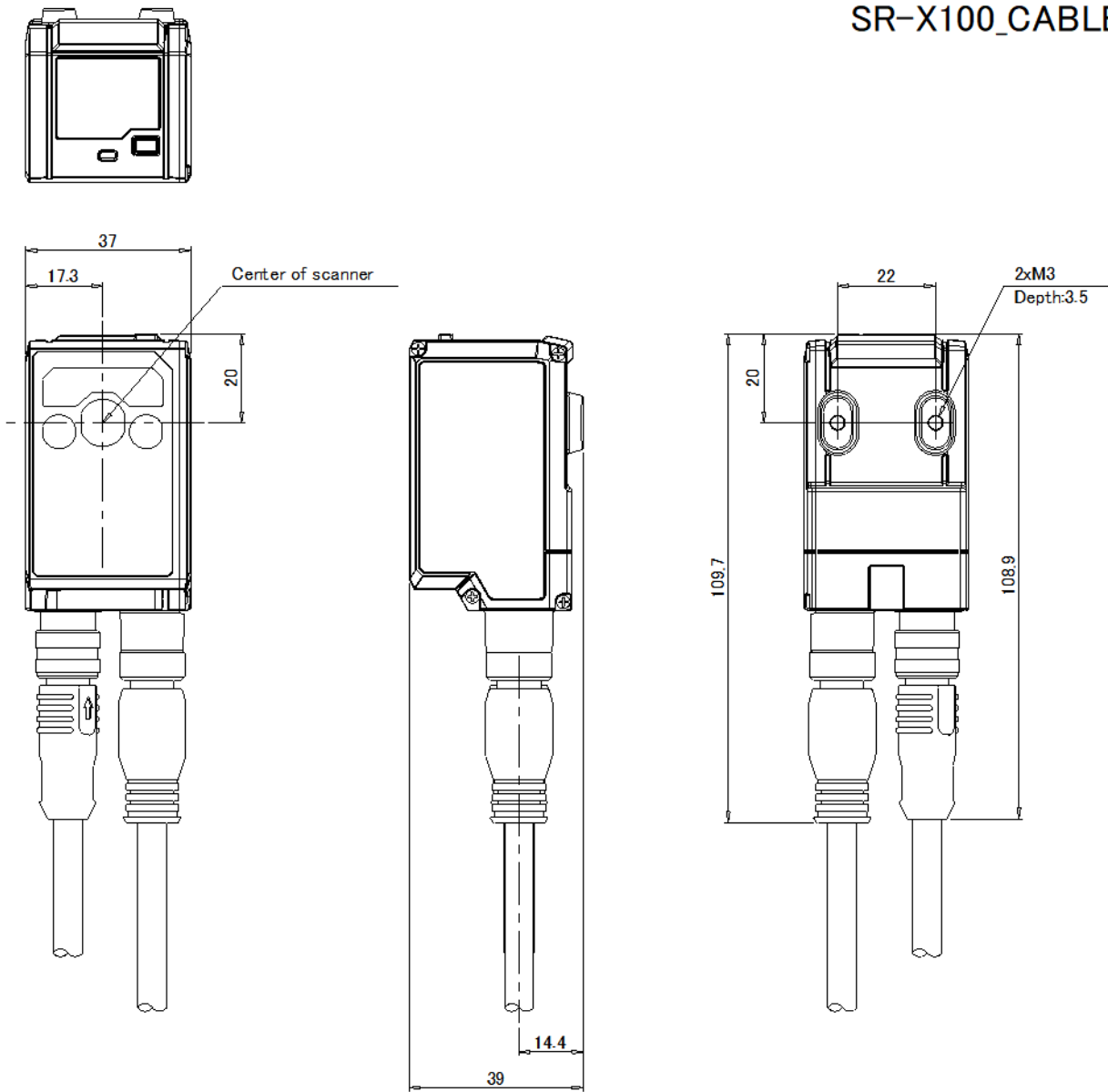
KEYENCE

Dimensions

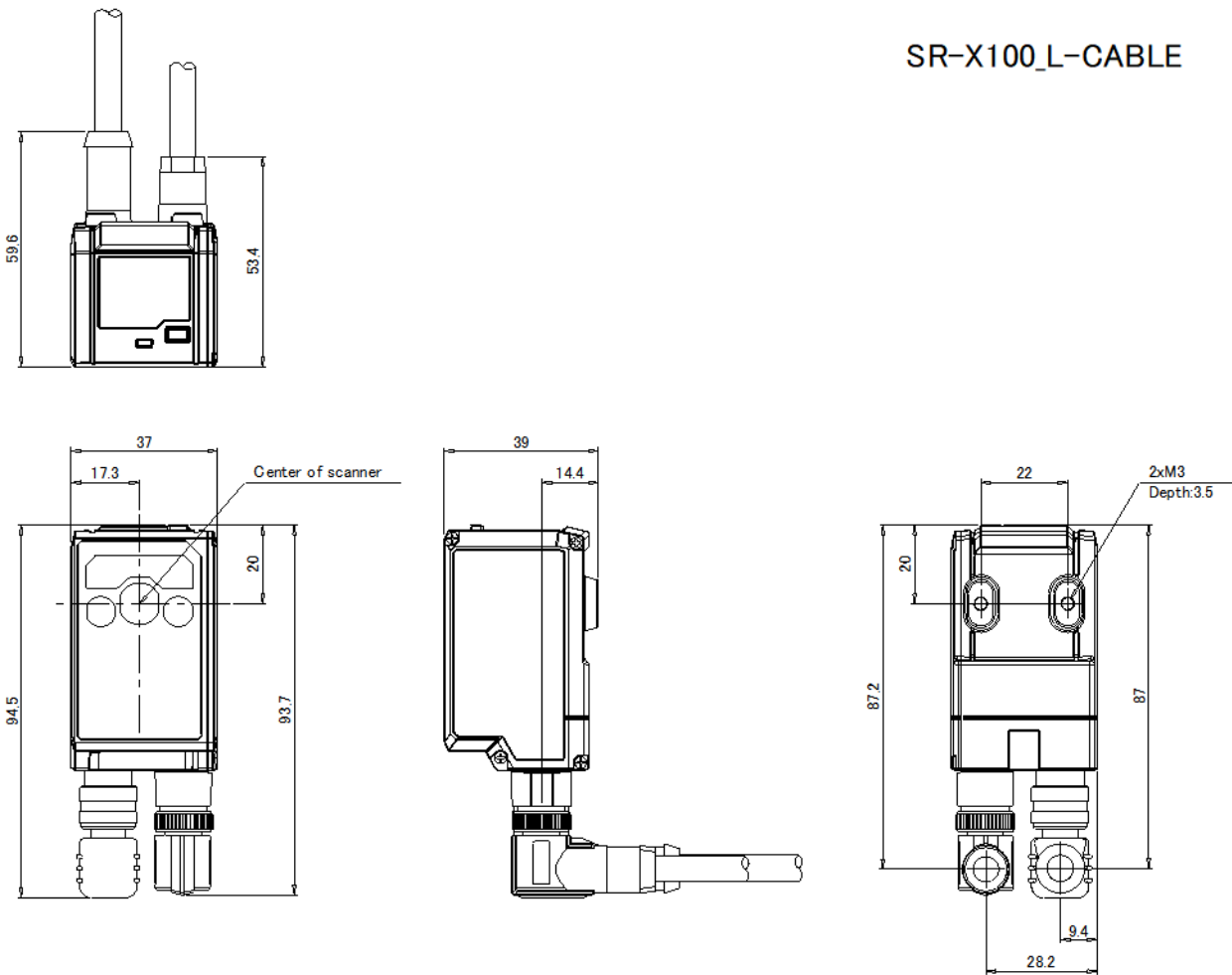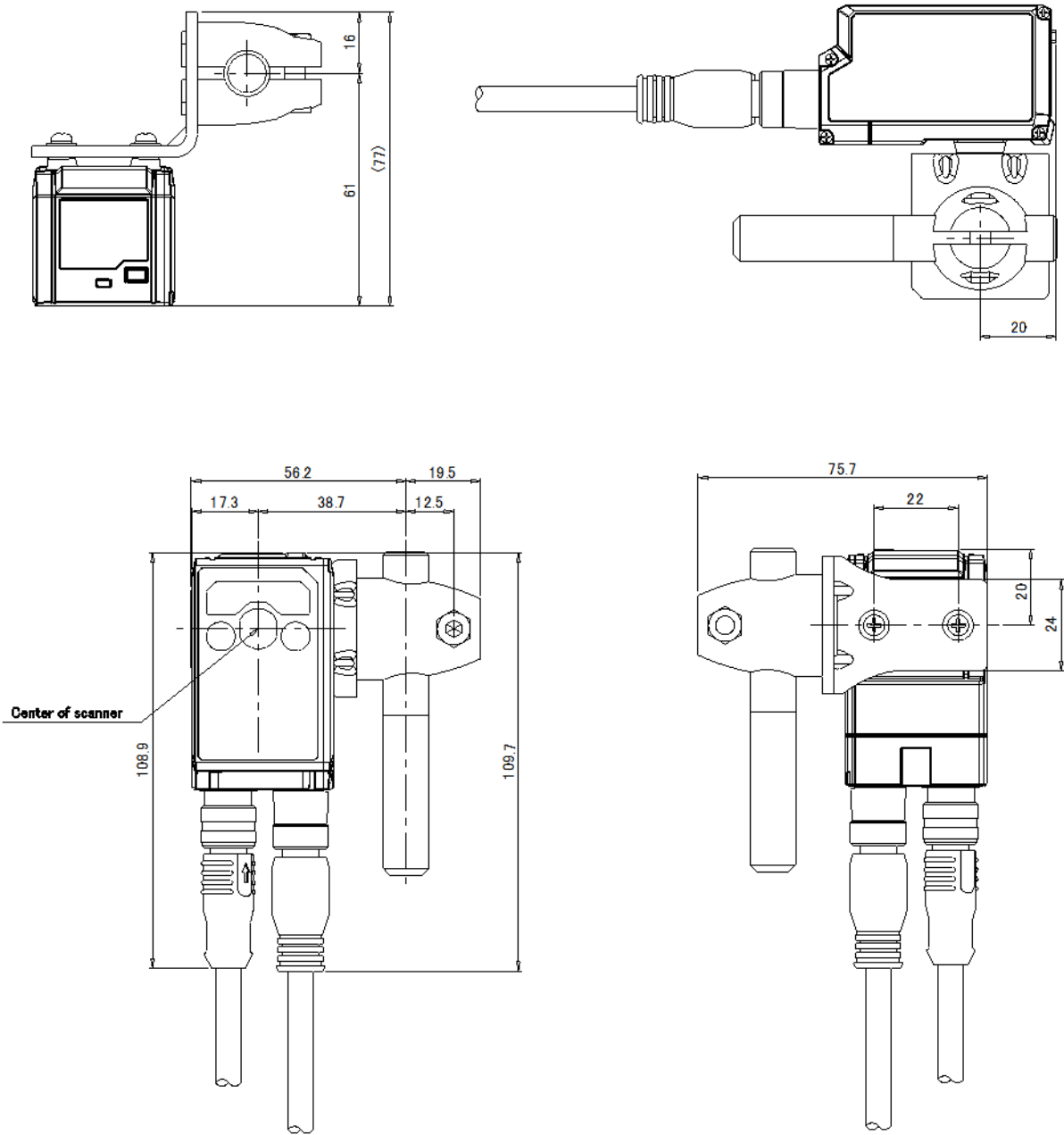* Download CAD file or product manual for larger image/text and more detail.

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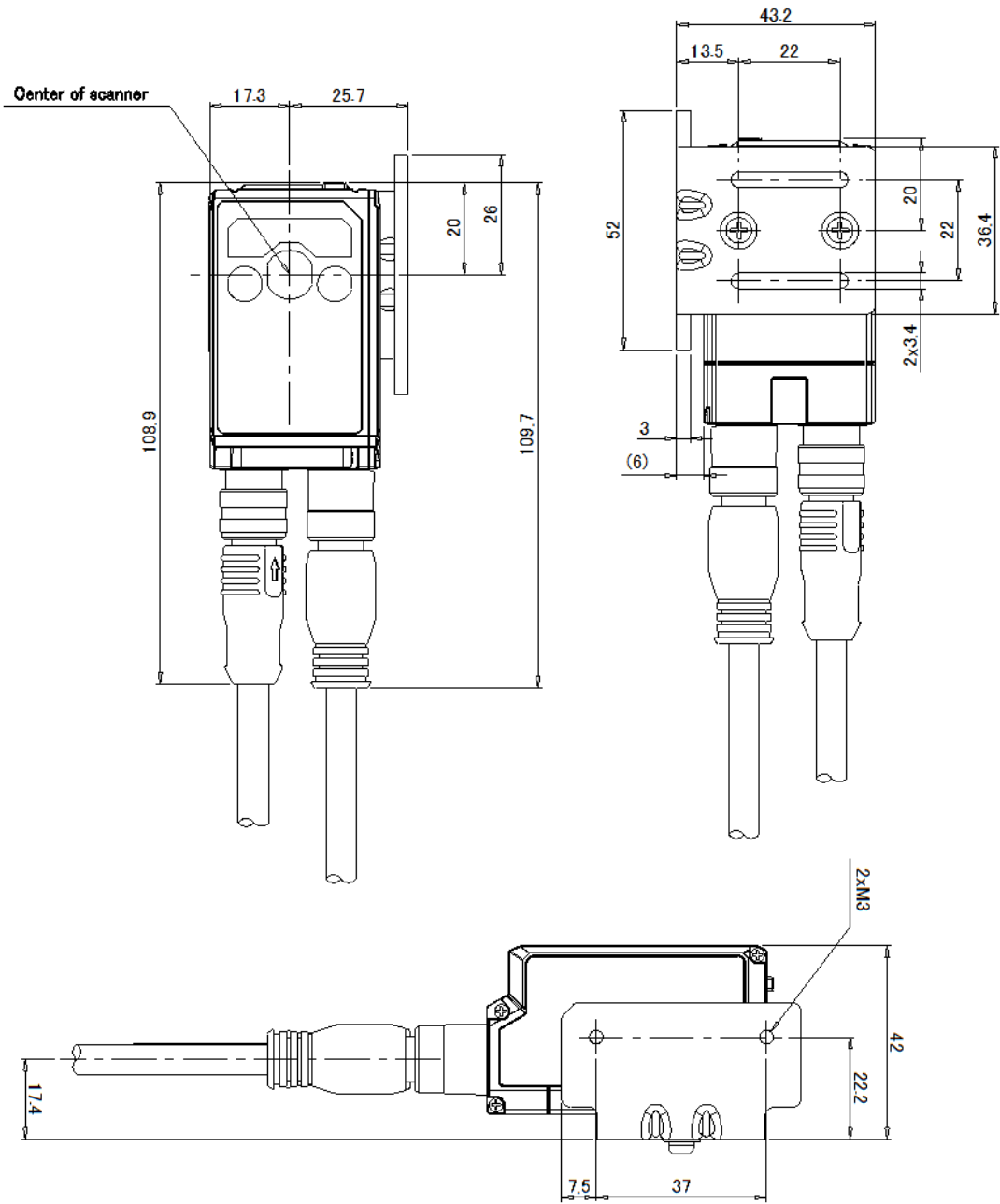- 17.3
- Center of scanner
- 20
- 22
- 20
- 2xM3
- Depth:3.5
- 14.4
- 39

SR-X100_CABLE

Center of scanner

37
17.3
20

22
2xM3
Depth:3.5
20

109.7
108.9

14.4
39

SR-X100_L-CABLE

SR-X100_OP-88697

Center of scanner

KEYENCE

SR-X100_OP-88698

KEYENCE

SR-X100_XESD

40.8

19.2

18.9

Center of scanner

(42.5)

2.7

59.3

KEYENCE

SR-X100_XLP

40.8

19.2

18.9

Center of scanner

(42.5)

2.7

59.3