



SR-751

Ethernet-compatible 2D Code Reader, Medium-distance Type



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

Specifications

Model			SR-751
Type			Middle-range type
Receiver	Sensor	CMOS Image Sensor	
	Number of pixels	752 x 480 pixels	
Lighting	Light source	Red LED	
Laser pointer	Visible semiconductor laser, Wavelength 660 nm		
	Output	60 μW	
	Pulse duration	200 μs	
	Laser class	Class 1 Laser Product (IEC60825-1, FDA (CDRH) Part 1040.10*1)	
Reading specifications	Minimum resolution	2D	0.19 mm 0.007"
		Barcode	0.127 mm 0.005"
	Supported symbol	2D	QR, MicroQR, DataMatrix (ECC200), GS1 DataMatrix, PDF417, MicroPDF, Composite Code (CC-A, CC-B, CC-C)
		Barcode	GS1DataBar, CODE39, ITF, NW-7 (Codabar), CODE128, GS1-128, JAN/EAN/UPC, CODE39 FullASCII, CODE93, 2of5 (Industrial 2of5), COOP 2of5, Trioptic CODE39
	Reading distance (typical examples)	DataMatrix QR	45 to 165 mm 1.77" to 6.50" (Cell size = 0.5 mm 0.02")
		Barcode	45 to 195 mm 1.77" to 7.68" (Narrow bar width = 0.5 mm 0.02")
	Focal distance		100 mm 3.94"
	Field of view (at focal distance)		70.6 x 45.0 mm 2.78" x 1.77"
I/O specifications	Control input	Number of inputs	2
		Input type	Bidirectional voltage input
		Maximum rating	26.4 VDC
		Minimum ON voltage	15 VDC
		Maximum OFF current	0.2 mA or less
	Control output	Number of outputs	3
		Output type	Photo MOS relay output
		Maximum rating	30 VDC
		Maximum load current	1 output: 50 mA or less, Total of 3 outputs: 100 mA or less
		Leakage current when OFF	0.1 mA or less
		Residual voltage when ON	1 V or less
	Ethernet	Communication standard	10BASE-T/100BASE-TX

		Supported protocol	TCP/IP, FTP, SNTP, BOOTP, EtherNet/IP™*2, PROFINET*3, MC protocol, KV STUDIO
	Serial communication	Communication standard	RS-232C compliant
		Transmission speed	9600, 19200, 38400, 57600, 115200 bps
		Supported protocol	Non-procedural, MC protocol, SYSWAY, KV STUDIO
Rating	Power voltage		Control port: 24 VDC ±10 % or Ethernet port: PoE TypeA/B 36 to 57 V (Cannot supply at the same time)*4
	Current consumption		Control port: 220 mA (When 24 VDC power supply is used) Ethernet port: PoE Power Class 2*5
Environmental resistance	Enclosure rating		IP65
	Ambient light		Sunlight: 10,000 lux, Incandescent lamp: 6,000 lux, Fluorescent lamp: 2,000 lux
	Ambient temperature		0 to +45 °C 32 to 113 °F
	Storage temperature		-10 to +50 °C 14 to 122 °F
	Relative humidity		35 to 95 % RH (No condensation)
	Storage relative humidity		
	Operating environment		No dust or corrosive gases present
	Vibration resistance		10 to 55 Hz, Double amplitude 1.5 mm 0.06", 55 to 500 Hz, Acceleration 5G, 3 hours in each of the X, Y, and Z directions
Weight			Approx. 160 g

*1 The laser classification for FDA (CDRH) is implemented based on IEC60825-1 in accordance with the requirements of Laser Notice.

*2 EtherNet/IP™ is a trademark or registered trademark of ODVA.

*3 PROFINET is a trademark or registered trademark of PROFIBUS International.

*4 To comply with CSA No.61010-1/UL61010-1/IEC61010-1, use a power supply meeting the following criteria:

- provides Class 2 output as defined in the CEC and NEC, or
- evaluated as a Limited Power Source as defined in CAN/CSA-C22.2 No.60950-1/UL60950-1/IEC60950-1.

*5 Peak operating current for PoE Power Class 2: 210 mA maximum.

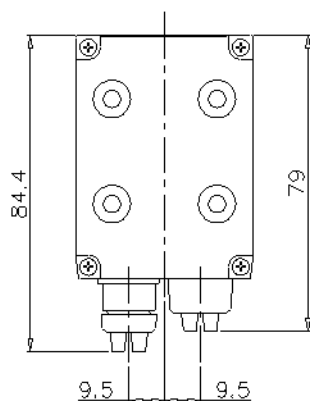
Dimensions

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

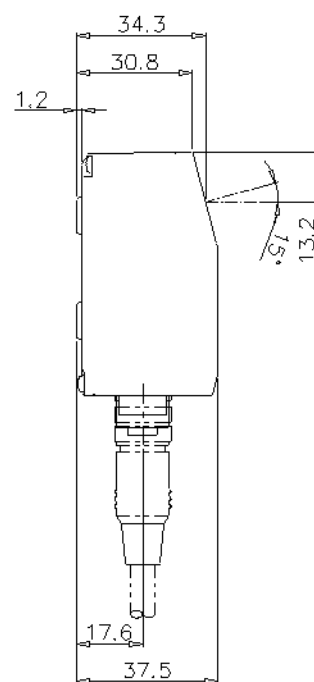
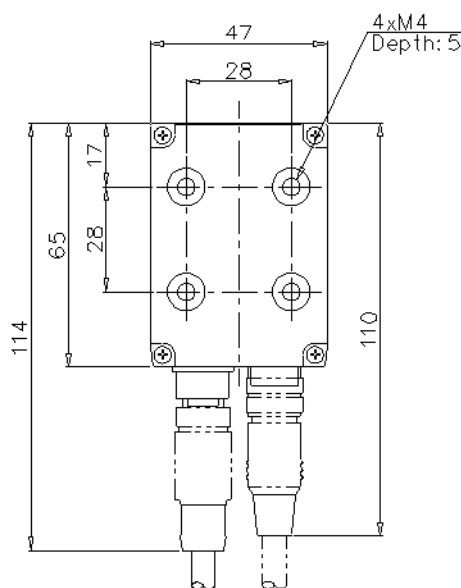
sr-750_751_750ha_650_651_650ha_dimension_01.gif

SR-750/751/750HA/650/651/650HA

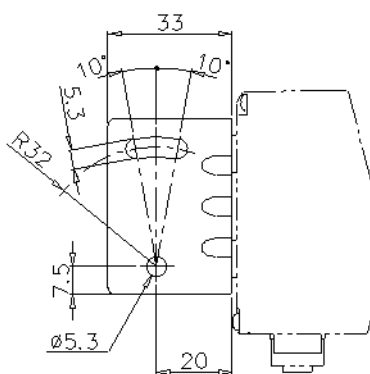
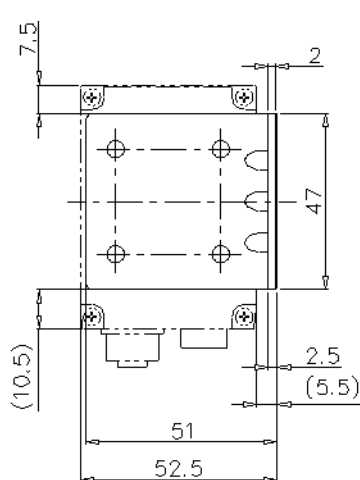
With port cover



With cable



When mounting bracket is attached



Screw hole dimensions

