



SR-2000W
1D/2D 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-2000W
Type			Ultra-wide field of view model
Receiver	Sensor		CMOS image sensor
	Number of pixels		2048 × 1536
	Focus		Auto*1
Light emitter	Light source		High-intensity red LED
	Pointer light source		High-intensity green LED
Reading specifications	Supported symbols	2D code	QR, MicroQR, DataMatrix (ECC200), GS1 DataMatrix, PDF417, MicroPDF417, GS1 Composite (CC-A/CC-B/CC-C), DotCode
		Barcode	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 code	0.063 mm
		Barcode	0.082 mm
	Reading distance		50 to 1000 mm
	Field of view for reading		at 800 mm: 707 × 530 mm
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
	Control output	Number of Outputs	3
		Output type	Photo MOS relay output
		Maximum rating	30 VDC
		Maximum load current	Single output: 50 mA or less, 3-output total: 100 mA or less
		Leakage current when OFF	0.1 mA or less
		Residual voltage when ON	1 V or less
	Ethernet	Communication standard	IEEE 802.3-compliant, 10BASE-T/100BASE-TX
		Supported protocol	TCP/IP, SNMP, FTP, BOOTP, EtherNet/IP™, PROFINET, KV STUDIO, MC Protocol, OMRON PLC Link
	Serial communication	Communication standard	RS-232C-compliant
		Communication speed	9600, 19200, 38400, 57600, 115200 bps

		Supported protocol	No-protocol, KV STUDIO, MC protocol, SYSWAY
	USB	Communication standard	USB 2.0 Full Speed-compliant
Rating	Power voltage		24 VDC ±10 %
	Current consumption		Approx. 1,600 mA
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
	Relative humidity		35 to 85 % RH (No condensation)
	Storage temperature		-10 to +50 °C
	Storage relative humidity		35 to 85 % RH (No condensation)
	Operating environment		No dust or corrosive gas present
	Vibration resistance		10 to 55 Hz: Double amplitude 0.75 mm, 3 hours each in X, Y and Z directions
Weight			Approx. 300 g

*1 The focal position can be adjusted automatically during installation or tuning.

Dimensions

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

sr-2000_dimension_01.gif

SR-2000

