



## SR-2000W

1D/2D Code reader



## Specifications

Model	SR-2000W			
Type	Ultra-wide field of view model			
Receiver	Sensor	CMOS image sensor		
	Number of pixels	2048 × 1536		
	Focus	Auto <sup>*1</sup>		
Light emitter	Light source	High-intensity red LED		
	Pointer light source	High-intensity green LED		
Reading specifications	Supported symbol	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 0.0025"	
		Barcode	0.082 mm 0.0032"	
	Reading distance	50 to 1000 mm 1.97" to 39.37"		
	Field of view for reading	at 800 mm 31.50": 707 × 530 mm 27.83" × 20.87"		
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 32 to 113 °F		
	Storage temperature	-10 to +50 °C 14 to 122 °F		
	Relative humidity	35 to 85 % RH (No condensation)		
	Storage relative humidity			
	Operating environment	No dust or corrosive gas present		
	Vibration resistance	10 to 55 Hz: Double amplitude 0.75 mm 0.03", 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

