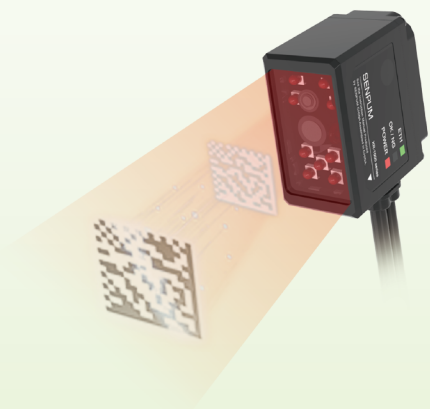


Standard 1D/2D Barcode Reader XR-1000 Series



Ask SENPUM

+86-755-83330055

Fast Delivery Standard Models



Most products are in stock. Upon receiving your order, we will arrange prompt shipment to minimize your downtime-related costs and losses.



WeChat



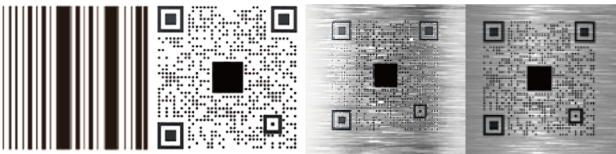
WhatsApp



LINE

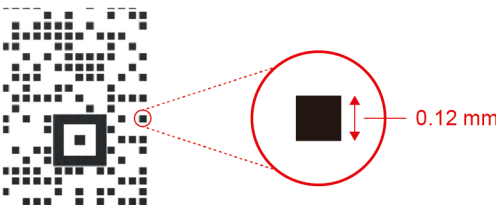
Reliably reads 1D and 2D barcodes

Stable reading of 1D/2D barcodes regardless of barcode condition.



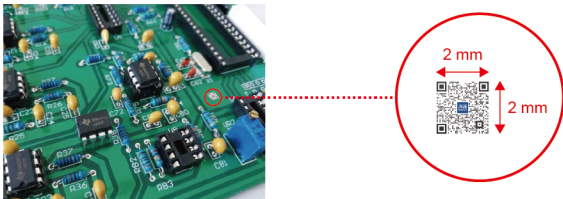
1-megapixel processor enables minimum resolution of 0.12 mm

1-megapixel processor with the latest technology ensures stable reading.



High-speed dynamic reading, with a maximum speed of up to 100 codes per second

Built-in new barcode reading algorithm, can efficiently read barcodes and DPM codes of various code types, with a maximum reading speed of up to 100 codes per second, and can easily read 2*2mm micro barcodes.



Supports rich communication protocols

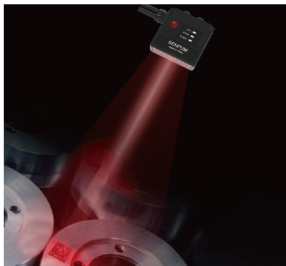
Rich IO interface, can connect to multiple inputs and signal outputs, supports RS232 serial port transmission protocol, Ethernet (TCP/IP).

* For more product features, please contact a SENPUM sales engineer.

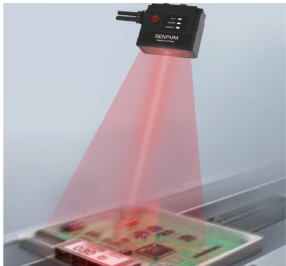
Applications



Read logistics information



Production process traceability



ECU parts traceability

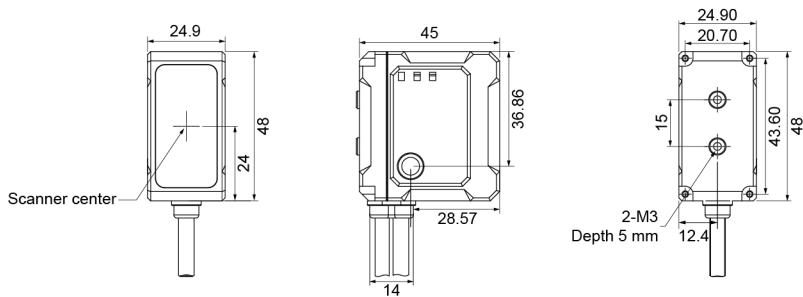
Specifications

Main Unit				
Model		XR-1000S	XR-1000M	XR-1000L
Working distance		70 mm	100 mm	150 mm
Number of pixels		1280 p (H) × 800 p (V)		
Field of view		52 × 32	76 × 47	116 × 72
Minimum code size		1D: 0.06 mm (2.39 mil)	1D: 0.14 mm (5.51 mil)	1D: 0.13 mm (5.11 mil)
		2D: 0.12 mm (4.79 mil)	2D: 0.19 mm (7.48 mil)	2D: 0.27 mm (10.62 mil)
Depth of field range	Barcode QR code	3*3 mm, 9.17 mil (depth of field: ±10 mm)	5*5 mm, 15.83 mil (depth of field: ±30 mm)	5*5 mm, 15.83 mil (depth of field: ±20 mm)
		5*5 mm, 15.83 mil (depth of field: ±20 mm)	10*10 mm, 29.17 mil (depth of field: ±50 mm)	10*10 mm, 29.17 mil (depth of field: ±80 mm)
		10*10 mm, 29.17 mil (depth of field: ±30 mm)		
Light source		High-brightness red light source		
Field of view angle		40°		
Sensitivity		Tilt/Pitch ±65° Rotation/Yaw 360° Deflection/ROI ±60°		
Motion tolerance		2 m/s		
Area decoding		Supports multiple ROI region decoding		
Communication specifications		RS232, Ethernet (TCP/UDP/Modbus/Ethernet)		
Reading specifications	Barcode	UPC, EAN, IAN, Code 128, Code 39, Code 93, Interleaved 2 of 5, Industrial 2 of 5		
	QR code	QR-Code, PDF417, Data Matrix, Aztec.		
External input		1 optically isolated input, connectable to NPN/PNP/relay		
External output		1 optically isolated output		
Ambient temperature		Operating temperature: 0 to 50 °C, storage temperature: -20 to +70 °C		
Protection class		IP54		
Vibration resistance		1.2-meter cement floor, free fall, 6 sides × 5 times/=30 times		
Ambient light		100,000 lux		
Housing material		Aluminum		
Current consumption		2 W max		
Power voltage		5 to 30 VDC		
Dimensions (L×W×H mm)		45 × 25 × 48		
Weight		80 g		
Communication cable length		Standard 3 m, extendable		
Power cable length		Standard 2 m, non-extendable		

Highly flexible network cable

Appearance	Cable length	Model
	3 m	OW-XR3000
	5 m	OW-XR5000
	10 m	OW-XR10M

Dimensions



Unit: mm

Fiber Optic Sensors

Photoelectric Sensors

Color Sensors

Laser Sensors

Proximity Sensors

Precision Contact
Sensors

Area Sensors/
Safety Light Curtains

Laser Scanners

Digital Contact Sensors

Laser Displacement
Sensors

Laser Micrometers

Confocal Displacement
Sensors

Barcode Readers

AI Vision Sensors

RFID

Infrared Temperature
Sensors

Pressure Sensors

Flow Sensors

Magnetic Sensors

Ultrasonic Sensors

Magnetic Scales

Static Eliminators

