

Keyence SR-2000

Model: SR-2000

Brand: Keyence

Series: SR-2000

1D/2D code reader, full-range model.

—— Hardware ——

Type: full-range model

Sensor: CMOS image sensor, 2048 x 1536 pixels

Focus: Auto

Light source: High-intensity red LED

Pointer light: High-intensity green LED

Min. resolution (2D): 0.040 mm (0.0016 in)

Min. resolution (barcode): 0.082 mm (0.0032 in)

Reading distance: 100 to 2,000 mm (3.94 to 78.74 in)

Field of view: at 800 mm: 263 x 197 mm

Supported 2D codes: QR, MicroQR, DataMatrix (ECC200), GS1 DataMatrix, PDF417, MicroPDF417, GS1 Composite, DotCode

Supported barcodes: CODE39, ITF, 2of5, NW-7 (Codabar), CODE128, GS1-128, GS1 DataBar, CODE93, JAN/EAN/UPC, Pharmacode, Postal

—— I/O Specifications ——

Control input: 2, bidirectional voltage, max 26.4 VDC, min ON 15 VDC

Control output: 3, photo-MOS relay, max 30 VDC, 50 mA per output (100 mA total)

—— Communication ——

Built-in ports: Ethernet (10/100BASE-TX), RS-232C, USB 2.0 Full Speed

Protocols: TCP/IP, EtherNet/IP, PROFINET, KV STUDIO, MC Protocol, FTP; serial no-protocol / MC / SYSWAY

Communication expansion: None

—— Electrical ——

Supply voltage: 24 VDC +/-10%

Current consumption: Approx. 1,600 mA

—— Environmental ——

Operating temperature: 0 to +45 ° C

Storage temperature: -10 to +50 ° C

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Relative humidity: 35 to 85% RH (no condensation)

Protection rating: IP65

—— Physical ——

Dimensions (H×W×D): Not available

Weight: Approx. 0.30 kg

—— Lifecycle ——

Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)



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