

ReadCell VS80 embedded 2D scan module

Build 2D reading into machines and terminals with little room inside. The VS80 measures 40.5 × 21.5 × 25.8 mm, weighs 20 g and sends data over USB or RS232.



Imaging

Resolution	1280 × 1024
Field of view	44° (H) × 33° (V)
Illumination	White LED
Aimer	Red laser
Scan angles	Roll 360° · pitch ±65° · yaw ±65°
Min. print contrast	20%
Motion tolerance	1 m/s

Symbologies

1D	Codabar, Code 39, Interleaved 2 of 5, NEC 2 of 5, Code 93, Straight 2 of 5 Industrial, Straight 2 of 5 IATA, Matrix 2 of 5, Code 11, Code 128, GS1-128, UPC-A, UPC-E0, UPC-E1, EAN/JAN-13, EAN/JAN-8, MSI, GS1 DataBar Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, China Post (Hong Kong 2 of 5), Korea Post, Code 32 Pharmaceutical (PARAF)
2D and stacked	QR Code, Data Matrix, PDF417, MicroPDF417, Aztec, MaxiCode, Han Xin, GS1 Composite, Codablock A, Codablock F

Reading distance by code

Code 39, 5 mil	7–23 cm
Code 39, 13 mil	7–40 cm
QR Code, 15 mil	7–30 cm
Code 128, 20 mil	6–40 cm

Electrical and mechanical

Interface	USB or RS232
Power supply	5 V standard · 5–24 V optional
Current	300 mA operating · 70 mA standby · 240 mA at start-up
Dimensions	40.5 × 21.5 × 25.8 mm
Weight	20 g
Operating temperature	–10 to 50 °C
Storage temperature	–20 to 60 °C
Humidity	5% to 95% RH, non-condensing
Ambient light	0 to 100,000 lux
Shock	2000 G, 0.7 ms, half sine, 3 axes
Protection	IP52
Configuration software	IDManager

From the ReadCell VS80 datasheet, revision V01. Issued October 2026. Specifications may change without notice; ask us for the current revision.