

ReadCell VS402 cordless 2D handheld scanner

The cordless version of the ReadCell VS400: the same 1280 × 1024 global shutter imaging and HD, HP or DPM focus, with 2.4 GHz up to 100 m or Bluetooth 4.2 up to 30 m, and a cradle.



VS402 HD / HP

Printed labels

For printed 1D and 2D codes on labels and cartons. HP reaches further on 13 mil Code 39; HD starts closer on Data Matrix.

Illumination	Direct white
Aimer	Red LED
Code 39, 13 mil	6–43 cm (HD) · 5–52 cm (HP)
Data Matrix, 7.5 mil	4–21 cm (HD) · 9.5–21 cm (HP)

VS402 DPM

Marked parts, close up

For codes marked directly on parts, read at short distance.

Illumination	Direct white plus diffuse red and blue, switched automatically
Aimer	Red laser, 650 nm
Code 39, 5 mil	0–7.5 cm
Code 39, 13 mil	2–16 cm

Imaging

Image sensor	1/4" global shutter CMOS, monochrome
Resolution	1280 × 1024
Frame rate	60 fps
Field of view	44° × 34° (typical)
Focus	Fixed; HD, HP or DPM version
Illumination	HD / HP: direct white · DPM: direct white plus diffuse red and blue, switched automatically
Aimer	HD / HP: red LED · DPM: red laser, 650 nm

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
2D and stacked	QR Code, Data Matrix, PDF417, MicroPDF417, Aztec, MaxiCode, Han Xin, GS1 Composite, Codablock A, Codablock F

Depth of field

Code 39, 5 mil	HD 5–27 cm · HP 5.5–30 cm · DPM 0–7.5 cm
Code 39, 13 mil	HD 6–43 cm · HP 5–52 cm · DPM 2–16 cm
QR Code, 15 mil	HD 4–29 cm · HP 4.5–26 cm
PDF417, 6.7 mil	HD 3–29 cm · HP 3.5–39 cm
Data Matrix, 7.5 mil	HD 4–21 cm · HP 9.5–21 cm

Wireless and battery

Wireless	2.4 GHz, up to 100 m · Bluetooth 4.2, up to 30 m
Battery	3.7 V / 2500 mAh, rechargeable
Scans per charge	12,000+ at one scan every 2 s
Charging time	6.5 h
Offline storage	12,000 records
Pairing	One scanner per cradle
Battery replacement	Built in, not user-replaceable
Cradle	Horizontal as standard · vertical on request, approx. 128 × 98 × 85 mm
Trigger	Button or continuous
Configuration software	ScanSet

From the ReadCell VS402 datasheet, revision C. Issued October 2026. Specifications may change without notice; ask us for the current revision.

Electrical and mechanical

Current, typical	380 mA operating · 165 mA standby
Dimensions	101.8 × 94.2 × 201.1 mm
Weight	360 g
Housing	High-performance plastic
Protection	IP5X (scanner)
Drop	Withstands 1.2 m drops to concrete
Operating temperature	–10 to 50 °C
Storage temperature	–20 to 70 °C
Humidity	5% to 85% RH, non-condensing
Ambient light	0 to 100,000 lux