

ReadCell VS302-ER cordless long-range scanner

The cordless version of the ReadCell VS300-ER: Data Matrix 100 mil from 18 to 650 cm, sent over 2.4 GHz up to 100 m in open space or over Bluetooth.



Imaging

Made for	Long range
Cameras	Two in one scanner, 1280 × 1024 each
Field of view	16° × 13° and 25° × 20°
Illumination	White LED
Aimer	Red LED
Scan angles	Roll 360° · pitch 65° · yaw 65°
Min. print contrast	20%

Reading distance by code

Code 39, 5 / 10 / 15 mil	20–45 cm · 13–155 cm · 13–240 cm
Code 128, 5 / 10 / 15 mil	18–36 cm · 13–125 cm · 10–180 cm
QR Code, 15 / 30 mil	16–32 cm · 12–140 cm
QR Code, 2.5 × 2.5 cm	10–230 cm
Data Matrix, 10 / 100 mil	20–38 cm · 18–650 cm

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

Wireless and battery

Cable or cordless	Cordless
Interfaces	2.4 GHz · Bluetooth
Wireless range	100 m, open space
Battery	3.7 V / 2500 mAh
Runtime	6.5 h, about 10,000 reads at one every 2 s
Charge time	6.5 h
Storage	20,000 records of 13 characters

Build

Supply	5 VDC ±10%
Current	480 mA operating · 120 mA standby · 180 mA at start-up
Dimensions	Scanner 130.2 × 76.9 × 191.8 mm · in cradle 246 × 99.5 × 136 mm
Weight	Scanner 300 g · cradle 285 g
Housing	High-performance plastic
Drop	1.5 m to concrete
Operating temperature	−20 to 60 °C
Storage temperature	−30 to 70 °C
Humidity	5% to 95% RH, non-condensing
Ambient light	0 to 100,000 lux

From the ReadCell VS302-ER datasheet, revision V02. Issued October 2026. Specifications may change without notice; ask us for the current revision.