

ReadCell VS320-DPE industrial DPM handheld

A corded handheld for codes marked straight onto metal. It combines direct white light with diffuse red and blue light for reflective surfaces, and its Ethernet version talks to the PLC over PROFINET or EtherNet/IP.



USB / RS232

Serial and USB

For a PC, a terminal or a serial host at the workstation.

Interfaces RS232 · USB HID · USB COM

Supply 5 VDC $\pm 5\%$

Current 450 mA operating · 120 mA standby

Ethernet

Industrial Ethernet

For stations where the reading goes straight to the PLC or MES.

Protocols TCP/IP · Modbus · PROFINET · EtherNet/IP

Supply 5 VDC; start-up from 4.7 V, start-up peak 450 mA

Current 480 mA operating (peak 1100 mA) · 340 mA standby

Imaging

Image sensor	Global shutter CMOS, monochrome
Resolution	1280 × 1024
Frame rate	60 fps
Field of view	29° × 23° (typical)
Focus	Fixed
Illumination	Direct white; diffuse red and blue
Aimer	Red cross-hair laser

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 128, 7 mil	20–100 mm
Code 128, 13 mil	Up to 140 mm (near limit set by field of view)
Data Matrix, 3 mil	25–50 mm
Data Matrix, 5 mil	15–90 mm
QR Code, 3 mil	25–45 mm
QR Code, 5 mil	20–80 mm

Communication

Interfaces	RS232 · USB HID · USB COM · Ethernet (by hardware version)
Protocols, Ethernet version	TCP/IP · Modbus · PROFINET · EtherNet/IP
Trigger	Button or continuous
Configuration software	IDManager

Electrical and mechanical

Power supply	5 VDC ±5%
Current, USB / RS232	450 mA operating · 120 mA standby
Current, Ethernet	480 mA operating, 1100 mA peak · 340 mA standby; start-up from 4.7 V
Dimensions	191.8 × 76.9 × 130.2 mm
Weight	360 g including cable
Housing	High-performance plastic
Protection	IP64 with cable connected
Drop	1.8 m to concrete
Operating temperature	−10 to 50 °C
Storage temperature	−20 to 70 °C
Humidity	5% to 85% RH, non-condensing

From the ReadCell VS320-DPE datasheet, revision F. Issued October 2026. Specifications may change without notice; ask us for the current revision.