

MCR-H200 Series

General specifications

Model number	MCR-H200U-ESD, MCR-H200R-ESD
Interface	RS-232C, USB 2.0 (Generic HID, HID Keyboard, Virtual COM Port) Detachable cable
Supported barcodes	2D: DataMatrix(ECC200), DataMatrix Rectangular Extension, Grid Matrix, Han Xin, MaxiCode, QR Code, MicroQR, QR Mode 1
	1D: BC412, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Pharmacode, Plessey, Straight 2 of 5, Telepen, Trioptic, UPC/EAN/JAN
	Stacked 1D: Codablock F, Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417
	Proprietary 2D: GoCode® (Optional License Required)
	Postal Codes: Australian Post, Canada Post, Intelligent Mail, Japan Post, KIX Code, Korea Post, Post-Net, Planet, UK Royal Mail, UPU ID-tags
Minimum resolution	Normal resolution type : 1D 0.075mm, 2D 0.125mm
Power	Reader @5VDC (mA): Typical = less than 350mA; Idle = 75mA
Power consumption	400mA @ 5.0V
Operating temperature / humidity	-20 to 55C / 5 to 85%RH (non-condensing)
Storage temperature / humidity	-30 to 65 C / 5 to 85%RH (non-condensing)
Protection rating	IP54
Drop specification	Multiple drops from 2m to concrete (no reduction in reading performance)
Ambient Light Immunity	Up to 9,000 foot-candles/ 96,890 lux
Aimer	Single, Blue targeting bar, 470nm
Symbol Contrast	15% minimum reflectance difference
Pitch	±60° (from front to back)
Skew	±60° from plane parallel to symbol (side-to-side)
Rotational Tolerance	±180°
Dimensions	52(W) x 132(H) x 77(D)mm
Weight	116g (without cable)

Typical Working Ranges

*Specs subject to change without notice

Test Barcode	Minimum distance (mm) / Maximum distance
0.075 mm Code 39 (3mil)	85mm / 107mm
01.9 mm Code 39 (7.5mil)	18mm / 167mm
0.26 mm GS1Databar (10.5mil)	5mm / 205mm
0.33 mm Code 128 (13mil)	13mm / 265mm
0.125 mm Data Matrix (5mil)	28mm / 100mm
0.15 mm Data Matrix (6.3mil)	18mm / 135mm
0.25 mm Data Matrix (10mil)	5mm / 165mm
0.52 mm Data Matrix (20.8mil)	13mm / 328mm