



MCR-H200

MCR-H200

1D & 2D Handheld Barcode Scanner

The MCR-H200 is a 1D and 2D handheld barcode scanner especially for ESD safe sensitive environment. Its reading capability is for general purpose, including high contrast barcodes printed on labels and paper, as well as many types of DPM (Direct Parts Marking).

MCR-H200 covers wider reading area by its unique optics (Patented dual-field optics). It brings much broader application coverage to the customers. By employing a special coating technique to the housing, our ESD model offers “No carbon contamination” and “High uniformity of surface resistance” higher risk control of static discharge.

It becomes compact, 20% shorter and 27% lighter than previous model THIR-6781U-ESD.

IP54 rating
(protection against dust
and moisture) +

High speed processing +

1.2M Camera
(1280x960 Pixels) +

Light weight, tough body +

Visible, Audible and haptic
indicator +

Omnidirectional reading +

Paper, label and DPM +

Regulation



Even reading from short distance, release from worry about causing damage by electro static discharge

MCR-H200 Series

General specifications

Model number	MCR-H200
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)
Minimum resolution	Normal resolution type : 1D 0.075mm, 2D 0.125mm
	High 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 1.8m 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

	MCR-H200	MCR-H200HD
Test Barcode	Min. distance / Max. distance (mm)	
0.075 mm Code 39 (3mil)	85mm / 107mm	14mm / 39mm
0.19 mm Code 39 (7.5mil)	18mm / 167mm	35mm / 58mm
0.14 mm PDF417 (5.8mil)	-	9mm / 44mm
0.33 mm Code 128 (13mil)	13mm / 265mm	31mm / 83mm
0.08 mm Data Matrix (3.3mil)	-	11mm / 29mm
0.10 mm Data Matrix (4.2mil)	-	9mm / 31mm
0.125 mm Data Matrix (5mil)	28mm / 100mm	9mm / 38mm
0.52 mm Data Matrix (20.8mil)	13mm / 328mm	7mm / 92mm