



MCR-H200-ESD

1D & 2D ESD Safe
Handheld Barcode Scanner

MCR-H200-ESD

The MCR-H200-ESD 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-ESD 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-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