

MD6850

Handheld Image Scanner

1D/2D



Features

- Megapixel image ensures better performance in decoding hard-to-read barcodes
- Read all common 1D/2D barcodes from paper labels and electronic screens
- Directly output Chinese characters contained in 2D barcodes
- Support image auto-induction function
- Plug-and-play interfaces enable the scanner to utilize with different host devices
- Optional vibration mode is ideal for both noisy and quiet circumstances
- Soft white auxiliary lighting and green aiming cursor deliver comfortable and convenient scanning experience

MD6850 Specifications

Mechanical & Electrical Characteristics

Dimensions	Height × Width × Depth: 175 mm × 65 mm × 81 mm
Weight	178 g, without cable
Cable	Straight 2.0 m
Connector Type	RJ-45 phone jack connector
Indicator	Beeper, LED, Vibrator
Interface	RS-232, PS/2, USB Keyboard, USB virtual COM
Operating Mode	Hand-held, Auto-detection
Programming Method	Manual (reading special barcode)
Program Upgrade	Online
Input Voltage	5 ± 0.25 VDC
Current	135 mA (standby), 475 mA (scanning)

Performance Characteristics

Image Size	1280 × 800 pixels
Field of View	Horizontal: 42°, vertical: 26.5°
Scanning Angle	±70°, ±75°, 360° (Skew, Pitch, Roll)
Print Contrast	20% minimum reflectance difference
Decoding Capability	1D: UPC-A, UPC-E, UPC-E 1, EAN-13, EAN-8, ISBN (Bookland EAN), ISSN, Code 39, Code 39 full ASCII, Code 32, Trioptic Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar (NW7), Code 128, UCC/EAN 128, ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, China Post, China Finance, GS1 DataBar (formerly RSS) variants 2D: PDF417, MicroPDF417, QR Code, DataMatrix, Han Xin Code, Aztec Code
Minimum Resolution	HD: 1D (Code 39): 3 mil, 2D (QR): 5 mil SR: 1D (Code 39): 4 mil, 2D (PDF417): 6.7 mil

	High density series (HD)	Standard range series (SR)
Decoding Depth	3 mil Code 39 (3 chars) 10 mm – 61 mm	/
	4 mil Code 128 (9 chars) 5 mm – 88 mm	55 mm – 106 mm
	13 mil UPC (6 chars) 0 mm – 179 mm	0 mm – 335 mm
	20 mil Code 39 (1 char) 10 mm – 253 mm	8 mm – 480 mm
	5 mil QR (40 chars) 7 mm – 65 mm	/
	6.7 mil PDF417 (20 chars) 0 mm – 105 mm	37 mm – 145 mm
	10 mil QR (20 chars) 0 mm – 134 mm	0 mm – 168 mm
	20 mil QR (20 chars) 0 mm – 215 mm	0 mm – 345 mm

Environmental Characteristics

Temperature	-20° to 55°C (-4° to 131°F), operating; -20° to 75°C (-4° to 167°F), storage
Humidity	5% to 95% (non-condensing)
Safety	EMC: EN55022, EN55024 Electrical Safety: EN60950-1 Photobiological Safety: EN62471:2008 Illumination: 0~100,000 LUX Sealing: IP50 Drop Resistance: Withstands multiple 2.0 m (6.6 ft.) drops to concrete

[Notice]: Specifications are subject to change without notice.

