

ME5800

Barcode Image Engine

1D/2D

TTL-232

Features

- Compact size, and with hardware decoder
- Low power consumption, and is ideal for mobile devices
- High resolution (1280×800) Megapixel image
- Read all common 1D/2D barcodes from paper labels and electronic screens
- Compatible with the physical interface and size of other brands' models
- Soft white auxiliary lighting and green aiming cursor deliver agreeable experience

ME5800 Specifications

| | | | |
|----------------------|---|---|--------------------------|
| Dimensions | H × W × D : 15.5 mm × 21.6 mm × 12.0 mm | | |
| Weight | 7.0 g | | |
| Indicator Interface | To control external Beeper and LED | | |
| Interface Supported | TTL-232 | | |
| Trigger Mode | Command, Level | | |
| Cable | Tapered 12-pin flex strip (12 × 0.5 mm) | | |
| Programming Method | Scanning special barcodes in sequence, or sending commands via TTL-232 interface | | |
| Firmware Upgrade | Online | | |
| Input Voltage | 3.3 ± 5% VDC | | |
| Current | 4 mA (sleeping), 100 mA (standby), 410 mA (scanning) | | |
| Illumination LED | White emitting color, standard: 2700K, optional: 5000K | | |
| Aiming | 525 nm peak wavelength, green LED | | |
| Image Size | 1280 × 800 pixels | | |
| Field of View | Horizontal: 42°, vertical: 26.5° | | |
| Scanning Angle | ±70°, ±72°, 360° (Skew, Pitch, Roll) | | |
| Print Contrast | 20% minimum reflectance difference | | |
| Decoding Capability | 1D: UPC-A, UPC-E, UPC-E1, 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, ISBT 128, Code 93, Code 11 (USD-8), MSI/Plessey, UK/Plessey, UCC/EAN 128 (GS1-128), China Post, China Finance, GS1 DataBar (formerly RSS) variants 2D: PDF417, QR Code, Micro QR Code, DataMatrix, Han Xin Code, Aztec Code | | |
| Minimum Resolution | SR: 1D (Code 39): 4 mil, 2D (PDF417): 6.7 mil | HD: 1D (Code 39): 3 mil, 2D (QR): 5 mil | |
| Decoding Depth | | Standard Range Series (SR) | High Density Series (HD) |
| | 3 mil Code 39 (3 chars) | / | 60 – 90 mm |
| | 4 mil Code 128 (9 chars) | 85 – 145 mm | 45 – 135 mm |
| | 10 mil Code 39 (3 chars) | 30 – 310 mm | 20 – 260 mm |
| | 13 mil UPC (6 chars) | 25 – 330 mm | 17 – 275 mm |
| | 20 mil Code 39 (1 char) | 30 – 485 mm | 38 – 410 mm |
| | 5 mil QR (40 chars) | / | 55 – 95 mm |
| | 6.7 mil PDF417 (20 chars) | 75 – 190 mm | 35 – 175 mm |
| | 10 mil QR (20 chars) | 48 – 190 mm | 20 – 195 mm |
| | 10 mil DM (20 chars) | 50 – 185 mm | 25 – 185 mm |
| 20 mil QR (20 chars) | 20 – 390 mm | 20 – 320 mm | |
| Temperature | Operating: -20 °C to 55 °C (-4 °F to 131 °F), Storage: -40 °C to 70 °C (-40 °F to 158 °F) | | |
| Humidity | 5% to 95% (non-condensing) | | |
| Mechanical Vibration | IEC60068-2-6, Un-powered engine withstands a random vibration along each of the X, Y and Z axes for a period of one hour per axis, define as follows: 20 to 80 Hz: Ramp up to 0.04 G ² /Hz at the rate of 3 dB/oct; 80 to 350 Hz: 0.04 G ² /Hz; 350 Hz to 2000 Hz: Ramp down at the rate of 3 dB/oct | | |
| Mechanical Shock | IEC60068-2-27, Shock pulse: 0.5 ms, Maximal acceleration: 1500 G, Shock direction & time: ±X-axis, ±Y-axis, ±Z-axis, 3 times for each direction, total of 18 times. | | |
| Safety | EMC: EN55022, EN55024 Electrical Safety: EN60950-1 Photobiological Safety: EN62471:2008 RF Immunity: IEC61000-4-3, 10 V/m Artificial Light Immunity: 100,000 Lux | | |

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

For more information: www.mindeo.cn

Shenzhen MinDe Electronics Technology Ltd.

Telephone : +86 (0)755 8614 1288
 Fax : +86 (0)755 8602 2683

ME5800 V1.1
 © 2017 MINDEO

MINDEO®