

MD8919i

Smart Handheld Barcode Scanner



Features

- Excellent performance: Use self-developed AI Engine, fully upgrade scanning performance
- Multi-Light Illumination: Support direct Illumination and diffuse Illumination
- Rugged Durability: Industrial structure design, 2 meters drop resistance
- High Efficiency: 4m/s motion tolerance, support batch scanning

MD8919i Specifications

Physica

| | |
|----------------------|--|
| Dimensions | Height × Width × Depth: 99 mm 73.5 mm × 185.6 mm |
| Weight | 224.5 g (Without cable) |
| Cable | Straight 2.0 m |
| Connector Type | RJ-45 phone jack connector |
| Scan Window Material | Tempered glass |
| Interfaces | RS-232, USB keyboard, USB virtual COM, Ethernet (optional) |
| Indicator | Beeper, LED, Vibrator |
| Operating Mode | Handheld, Ato-detect |
| Programming method | Manual (reading special barcode) |
| Firmware upgrade | Online |

Electrical

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|---------------|-----------------------------------|
| Input voltage | 5.0 ± 0.25 VDC |
| Current | Scanning: 220 mA (Standby: 160mA) |

Performance

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|---------------------|---|
| Image size | 1280× 1024 pixels |
| Lighting | Direct reflection: White LED Diffuse reflection: white LED, red LED, blue LED, green LED |
| Aiming | 525 nm peak wavelength, green LED |
| Field of View | Horizontal: 40°, vertical:34° (SR, HD) Horizontal: 33°, vertical:28° (XD) |
| Scan Angle | ± 70°, ± 75°, ± 360° (Skew, Pitch, Roll) |
| Print Contrast | 20% Minimum reflectance difference |
| Decode capabilities | All common 1D/2D barcodes |
| Minimum resolution | 1D: 3mil |

| | Direct reflection (XD) | Diffuse reflection(XD) |
|----------------|--------------------------|------------------------|
| Decoding depth | 3mil Code 39 (3 chars) | 0–60 mm |
| | 5mil Code 128 (12 chars) | 10–90 mm |
| | 10mil Code 39 (3 chars) | 0–130mm |
| | 13mil UPC (6 chars) | 0–155mm |
| | 20mil Code 39 (3 chars) | 20–200mm |
| | 10mil DM (20 chars) | 0–100mm |
| | 20mil QR (150 chars) | 30–150mm |
| | | 0–60mm |
| | 0–160mm | 0–190mm |
| | 25–250mm | 0–130mm |
| | 30–170mm | |

Environmental

| | |
|-------------|--|
| Temperature | Operating: -10°C to 50°C (14°F to 122°F) , storage: -20°C to 70°C (-4°F to 158°F) |
| Humidity | 5% to 95%(non-condensing) |
| Safety | EMC: EN55032 EN55035 Electrical safety: EN62368-1 Photobiological Safety: EN62471:2008 Illumination: 0 - 100000LUX Sealing: IP64 Drop Resistance: withstands multiple 2.0 m (6.56 ft) drops to concrete |