BM2290IM

1D/2D Cordless Image Scanner

Features

- Stylish and ergonomic design, small base saves installation space
- Read all common 1D/2D barcodes from paper labels and electronic screens
- Working range reaches up to 100 meters
- Support point-to-point and multi-point data transmission
- Support batch mode capability (3,000 EAN-13 barcodes)
- Built-in rechargeable & replaceable battery, one full charge supports scanning for 46 hours or standby for 4.5 days
- Brand-new, easy wireless communication setting method guarantees convenient operation
- Support vibration mode, ideal for both noisy and quiet environment
- Soft white auxiliary lighting and green aiming cursor deliver comfortable and convenient scanning experience

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Technical Specification

Communication Characteristics	
Working Range	100 meters (open air)
Ratio Link	430.0 - 431.9 MHz, 433.3 – 434.7 MHz with adaptive frequency hopping
Mechanical Characteristics	
Dimensions (L x W x D)	Handheld unit: 90.2 x 70 x 180 mm; Cradle: 118 x 89.5 x 74 mm
Weight	Handheld unit: 210 g; Cradle: 140 g (without cable)
Indicator	Handheld unit: LED, beeper, vibration; Cradle: LED
Interface	USB Keyboard, USB Virtual COM, RS232, PS/2 Keyboard
Electrical Characteristics	
Input Voltage	DC 5 ± 0.25 V
Current	Handhel unit: 20 mA (standby), 350 mA (working) Cradle: 60 mA (working), 500 mA (charging, max.)
Battery	1400 mAh Lithium-ion battery
Charge time	4 hours
Standby time	4.5 days
Operating Time	46 hours (1 scan per 5 seconds)
Performance Characteristics	
Image Size	1280 x 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-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, 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
Environmental Characteristics	
Temperature	Operating: 0° to 50°C; Storage: -40° to 60°C
Humidity	5% to 95% (non-condensing)
Safety	EMC: EN55022, EN55024; Electrical Safety: EN60950-1; Photobiological Safety: EN62471:2008, Illumination: 0~100,000 LUX; Protection Class: IP51; Drop Resistance: With stands multiple 1.5 m drops to concrete