MINDEO

ME5200

1D/2D Barcode Image Engine

Features

1. The model is square and compact, with screw holes reserved for easy installation
2. Read all common 1D/2D barcodes from paper labels and electronic screens
3. Support command control, level signal trigger and automatic induction
4. Soft white auxiliary lighting and red aiming cursor deliver agreeable experience

ME5200 Specifications

PHYSICAL CHARACTERISTICS			
Dimensions	L × W × H: 30.2mm × 16.3mm × 14.5mm		
Weight	4.9 g		
Indicator Interface	To control external Beeper and LED		
Interface Supported	TTL-232, USB		
Trigger Mode	Command, Level , Auto-detection		
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		
ELECTRICAL CHARACTERISTICS			
Input Voltage	3.3 ± 5% VDC		
Current	Sleeping: 26 mA Scanning: 472 mA(Typical), 793 mA(Maximum)		
PERFORMANCE CHARACTERISTICS			
Illumination LED	White emitting color, standard: 2700K, optional: 5000K		
Aiming LED	617 nm peak wavelength, red LED		
Image Size	1280 × 800 pixels		
Field of View	Horizontal: 41°, vertical: 28°		
Scanning Angle	±70°, ±75°, 360° (Skew, Pitch, Roll)		
Print Contrast	20% minimum reflectance difference		
Decoding Capability	All common 1D/2D paper barcodes and mobile barcodes		
Minimum Resolution	HD: 1D (Code 39): 3 mil; SR: 1D (Code 128): 4 mil		
Decoding Depth		High Density Series	Standard Range Series
	3 mil Code 39 (3 chars)	44 – 89 mm	/
	4 mil Code 128 (3 chars)	32 – 125 mm	63 – 120 mm
	13 mil UPC (6 chars)	23 – 285 mm	24 – 340 mm
	6.7 mil PDF417 (20 chars)	23 – 157 mm	38 – 170 mm
	10 mil QR (20 chars)	12 – 170 mm	20 – 157 mm
	10 mil DM (20 chars)	12– 178 mm	20 – 184 mm
	20 mil QR (20 chars)	39 – 290 mm	34 – 378 mm
ENVIRONMENTAL CHARACTERISTICS			
Temperature	Operating: -20 °C to 50 °C (- 4 °F to 122 °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: EN55032, 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.

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