

MINDEO



ME5000+

Barcode Image Engine

Features

- 1 Low power consumption, and is ideal for mobile devices
- 2 Read all common 1D/2D barcodes from paper labels & electronic screens
- 3 Support multiple installation methods
- 4 Support both image auto-induction trigger and command trigger
- 5 Soft white auxiliary lighting and green aiming cursor deliver agreeable experience



PHYSICAL CHARACTERISTICS			
Dimensions	Optics Module : 11.6 mm × 19.2 mm × 10.6 mm; Decoder Board: 31.2 mm × 19.2 mm × 5.4 mm		
Weight	Optics Module: 4.0 g; Decoder Board: 3.0 g		
Cable	Tapered 12-pin flex strip (12 × 0.5 mm), or 1.5m Micro USB cable		
Connector Type	12-Pin FPC, or Micro USB		
Host System Interfaces	TTL-232, or USB HIB Keyboard, USB virtual COM		
Indicator Interface	To control external Beeper and LED		
Trigger Mode	Command, Auto-Detect		
Programming Method	Scanning special barcodes in sequence, or sending commands		
Firmware Upgrade	Online		
ELECTRICAL CHARACTERISTICS			
Input Voltage	TTL: 3.3 ± 5% VDC; USB: 5.0 ± 5% VDC		
Current	TTL: 5mA(Sleep), 65 mA (Standby), 325 mA (Operating); USB: 60 mA (Standby), 240 mA (Operating)		
PERFORMANCE CHARACTERISTICS			
Scan Pattern	Image		
Image Size	640×480 pixels		
Light Source	Illumination: White LED, 2700K; Aiming: Green LED, 525nm		
Field of View	Horizontal: 38°, Vertical:48°		
Scanning Angles	±58°, ±65°, 360°(skew, pitch, roll)		
Print Contrast	20% minimum reflectance difference		
Minimum Resolution	1D: 5mil Code 39; 2D: 6.7mil PDF417		
Decoding Capability	All common 1D/2D paper barcodes and mobile barcodes		
Decoding Depth		General Area (GA)	Wide Area (WA)
	5mil Code 39 (3 chars)	20 - 45 mm	20 - 40 mm
	10mil Code 39 (3 chars)	15 - 140 mm	12 - 95 mm
	13mil UPC (6 chars)	15 - 170 mm	12 - 115 mm
	20mil Code 39 (1 chars)	20 - 365 mm	15 - 285 mm
	6.7mil PDF417 (20 chars)	20 - 75 mm	15 - 50 mm
	10mil DM (20 chars)	15 - 85 mm	12 - 45 mm
	5mil Code 39 (3 chars)	15 - 140 mm	15 - 140 mm
ENVIRONMENTAL CHARACTERISTICS			
Temperature	Operating: -10°C to 45°C (-14°F to 113°F); Storage: -20°C to 70°C (-4°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 0.04G ₂ /Hz 350 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 : ±X-axis, ±Y-axis, ±Z-axis, 3 times for each direction (total 18 times)		
Safety	Photobiological Safety: EN62471:2008 EMC: EN55022 ESD Protection: EN55024 RF Immunity: IEC61000-4-3, 10 V/m Artificial light Immunity: 100,000 lux		

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

