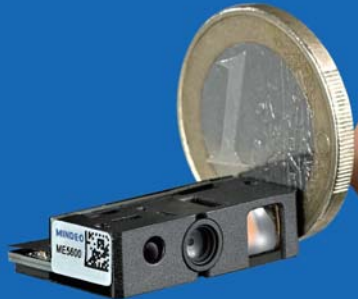


MINDEO



1D 2D



ME5600

1D/2D Barcode Image Engine

Features

- 1 Hardware decoder
- 2 Slim height at 6.7 mm
- 3 Low power consumption, and is ideal for mobile devices
- 4 Read all common 1 D/2D barcodes from paper labels and electronic screens
- 5 Soft white auxiliary lighting and red aiming cursor deliver agreeable experience



PHYSICAL CHARACTERISTICS

Dimensions	D × H × W: 6.7 mm × 17.2 mm × 23.8 mm
Weight	2.6 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

ELECTRICAL CHARACTERISTICS

Input Voltage	3.3 ± 5% VDC
Current	Scanning: 350 mA; sleeping: 22 mA

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 39): 4 mil

	High Density Series	Standard Range Series
Decoding Depth	3 mil Code 39 (3 chars)	43 – 95 mm /
	4 mil Code 128 (9 chars)	35 – 123 mm 69 – 123 mm
	10 mil Code 39 (3 chars)	21 – 240 mm 25 – 283 mm
	13 mil UPC (6 chars)	17 – 270 mm 18 – 326 mm
	6.7 mil PDF417 (20 chars)	24 – 159 mm 40 – 160 mm
	10 mil DM (20 chars)	17 – 187 mm 25 – 193 mm
	20 mil QR (20 chars)	20 – 290 mm 25 – 360 mm

ENVIRONMENTAL CHARACTERISTICS

Temperature	Operating: -25 °C to 50 °C (-13 °F to 122 °F); Storage: -40 °C to 85 °C (-40 °F to 185 °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.