

# MINDEO



1D



## MP8000+ Image Platform

### Features

- 1 Read all common 1D barcodes from paper labels and electronic screens
- 2 High performance imaging technology
- 3 Good at capturing hard-to-read barcodes such as truncated (short), out-of-spec and poorly printed
- 4 Decode rate: up to 45 frames/sec
- 5 Easy firmware upgrade



PHYSICAL CHARACTERISTICS	
Dimensions	152mm x 81mm x 144mm
Weight	545g (without stand, without cable)
Cable	Straight 2.0m
Connector Type	RJ-45 phone jack connector
Host System Interfaces	Keyboard wedge, RS-232, or USB Keyboard, USB virtual COM
Indicator Interface	Beeper and LED
Trigger Mode	Hand-held, Auto-Detect
Programming Method	Scanning special barcodes in sequence, or sending commands
Firmware Upgrade	Online
ELECTRICAL CHARACTERISTICS	
Input Voltage	5.0 ± 0.25 VDC
Current	Operating: 1000 mA , Standby: 240 mA
PERFORMANCE CHARACTERISTICS	
CPU	32-bit operating system
Scan Pattern	Image
Image Size	1280x960 pixels
Light Source	LED: 2700K
Field of View	Horizontal: 41°, Vertical:31.5°
Scanning Angles	±60°, ±40°, 360°(skew, pitch, roll)
Print Contrast	20% minimum reflectance difference
Minimum Resolution	1D : 4mil
Decoding Capability	All common 1D/2D paper barcodes and mobile barcodes
Decoding Depth	4mil Code39 ( 9 chars )      5 – 60 mm
	5mil Code39 ( 3 chars )      0.5–90 mm
	10mil Code39 ( 3 chars )      0.5–140 mm
	13mil UPC ( 6 chars )      0 –150 mm
	15mil Code39 ( 1 chars )      0 – 190 mm
	20mil Code39 ( 1 chars )      0 – 220 mm
ENVIRONMENTAL CHARACTERISTICS	
Temperature	Operating: 0°C to 50°C (32°F to 113°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 G2/Hz at the rate of 3 dB/oct 80 to 350 Hz      0.04G2/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 & time: ±X-axis, ±Y-axis, ±Z-axis, 3 times for each direction, total of 18 times.
Safety	Photobiological Safety: EN62471 EMC: EN55032 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.

