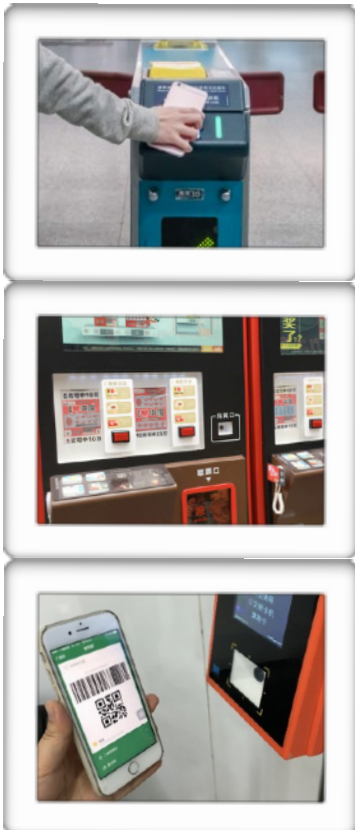


MP150

Embedded Imager Platform



*Actual Size



Features

- ✓ Suitable for kiosk and turnstile integration.
- ✓ High resolution (1280×800) Megapixel image.
- ✓ Read all common 1D/2D barcodes from printing material and electronic screens
- ✓ Support both image auto-induction trigger and serial trigger



MP150

Mechanical

Dimensions	65.2mm × 61.2mm × 25mm
Weight	36g (without cable)
Indicator	To control external beeper and LED
Interface	USB HIB Keyboard, USB Virtual COM or TTL-232
Cable	Tapered 12-pin flex strip (12 x 0.5mm), 9-pin flex strip (1.0mm) or 1.5m Micro USB Cable
Connector type	12-pin FPC, Micro USB or 9-pin connector

Performance

Scan pattern	Image
Image size	1280 x 800 pixels
Field of view	Horizontal: 140°, vertical: 99°
Scanning angle	±58°, ±65°, ±360° (Skew, Pitch, Roll)
Print contrast	20% minimum reflectance difference
Light source	White LED, 2700K
Decode capability	All common 1D/2D paper barcode and mobile barcode

Electrical

Input voltage	5 ± 0.25 VDC
Current	Working: 185mA (Max. 280mA)

Environmental

Temperature	-20°C to 60°C / -4°F to 140°F (operating); -40°C to 70°C / -40°F to 158°F (storage)
Humidity	5% to 95% (non-condensing)
Safety	Photobiological : EN62471 EMC: EN55032 ESD Protection : EN55024 RF Immunity : IEC61000-4-3, 10V/m Artificial light Immunity : 100,000 lux
Vibration	IEC60068-2-6: Un-powered scanner 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 Hz to 80 Hz Ramp up to 0.04 G ² /Hz at the rate of 3 dB/oct 80 Hz to 350 Hz 0.04 G ² /Hz 350 Hz to 2000 Hz Ramp down at the rate of 3 dB/oct
Shock	IEC60068-2-27; Shock pulse: 0.5ms; Maximal acceleration: 1500G Shock direction: ±X-axis, ±Y-axis, ±Z-axis, 3 times for each direction (total of 18 times)

[Notice] : Specification are subject to change without notice.
All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement

Decoding Depth*	
Resolution	Distance
10 mil Code 39 (3 chars)	10 - 70 mm
13 mil UPC (6 chars)	0 - 80 mm
10 mil QR (20 chars)	5 - 40 mm
20 mil QR (20 chars)	0 - 105 mm
WeChat payment code (Iphone 6 PLUS)	0 - 240 mm
* Performance vary by bar code printing quality and environmental conditions.	