

AI



1D

2D



MP8600i Image Platform with Built-in AI Chip

Features

- 1 With built-in AI chip
- 2 Best in motion tolerance up to 8m/s
- 3 Advanced code reading performance and stability of codes due to glare, stains, scratches, or other defects
- 4 The undervoltage protection is designed to easily handle various scenarios of power instability



PHYSICAL CHARACTERISTICS		
Dimensions (L × W × H)	152.8 mm × 81.6 mm × 145.1 mm (without stand) 152.8 mm × 112 mm × 186.6 mm (with stand)	
Weight	482 g (without stand, without cable) 755 g (with stand , without cable)	
Cable	Straight 2.0 m	
Connector Type	RJ-45 phone jack connector	
Case Material	PC	
Scan Window Material	Tempered glass	
Interfaces	RS-232, USB Keyboard, USB Virtual COM	
Indicator	Beeper, LED	
Operating Mode	Continue	
Programming Method	Manual (reading special barcode)	
Firmware Upgrade	Online	
ELECTRICAL CHARACTERISTICS		
Input Voltage	5.0 ± 0.25 VDC	
Current	Scanning: 450 mA (Max.:800 mA); Standby: 300 mA	
PERFORMANCE CHARACTERISTICS		
CPU	32-bit ARM Microprocessor	
Scan Pattern	Image	
Image Size	1280 × 1024 pixels	
Light Source	2700 K , white LED	
Scanning Angles	±60°, ±54°, 360°(skew, pitch, roll)	
Motion Tolerance	8m/s (315 in/s)	
Field of View	Horizontal: 40°, vertical:32°	
Print Contrast	20% minimum reflectance difference	
Minimum Resolution	1D: 4 mil	
Decoding Capability	All common 1D/2D barcodes	
	4 mil Code39 (3 chars)	40 mm – 70 mm
	5 mil Code128 (12 chars)	20 mm - 110 mm
	13 mil UPC (6 chars)	0 mm - 260 mm
	20 mil Code39 (3 chars)	0 mm - 340 mm
	10mil QR (20 chars)	0 mm - 130 mm
	20mil QR (20 chars)	0 mm - 225 mm
ENVIRONMENTAL CHARACTERISTICS		
Temperature	Operating: 0°C to 50°C; Storage: -40°C to 70°C	
Humidity	5% to 95% (non-condensing)	
Safety	EMC: EN55032, EN55035 Electrical Safety: EN62368-1	
	Photobiological Safety: EN62471:2008 Illumination: 0~100,000 lux	
	ESD Protection: contact discharge: ± 4 KV, air discharge: ± 8 KV Sealing: IP52	
	Drop Resistance: Withstands multiple 1.5 m (5 ft.) drops to concrete	

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

