



ES3600 Embedded Image Scanner





- Compact design and plug-and-play interfaces allow easy integration into different host devices
- 2 Read all common 1D/2D barcodes from paper labels and electronic screens
- 3 Megapixel image delivers better performance in decoding hard-to-read barcodes
- Advanced image induction technology ensures rapid induction of barcodes, even through a transparent lens in front of the scanning window

ES3600 Specifications

Mechanical & Electrical Cl	naracteristics		
Dimensions	L × W × H: 37.4 mm × 35.2 mm × 3	17.6 mm	
Weight	38 g (without cable)		
Case Material	Zinc alloy		
Cable	Straight 2.0 m		
Interface Supported	RS-232, USB, USB virtual COM		
Indicator Interface	Beeper		
Exit Window Material	Tempered glass		
Trigger Mode	Hand-held, Auto-detect, Command		
Programming Method	Scanning special barcodes in sequence, or sending commands via RS-232 interface		
Firmware Upgrade	Online		
Input Voltage	5±0.25 V		
Current	Standby: 136 mA		
	Scanning: 250 mA(Typiacl), 500 mA(Maximum)		
Performance Characterist			
Image Size	1280 × 800 pixels		
	Illumination: 2700K, white LED		
Light Source	Aiming: 617 nm peak wavelength, red LED		
Scanner Field of View	Horizontal: 41°, Vertical: 28°		
Scanning Angles	± 70°, ± 75°, 360° (Skew, Pitch, Roll)		
Print Contrast	20% minimum reflective difference		
Decoding Capability	All common 1D/2D barcodes		
Minimum Resolution	HD: 1D (Code 39): 3 mil		
	SR: 1D (Code 128): 4 mil		
Decoding Depth		High Density Series	Standard Range Series
	3 mil Code 39 (3 chars)	44 – 89 mm	/
	4 mil Code 128 (3 chars)	32 – 125 mm	63 – 120 mm
	13 mil UPC (6 chars)	23 – 285 mm	24 – 340 mm
	6.7 mil PDF417 (20 chars)	23 – 157 mm	38 – 170 mm
	10 mil QR (20 chars)	12 – 170 mm	20 – 157 mm
	10 mil DM (20 chars)	12– 178 mm	20 – 184 mm
	20 mil QR (20 chars)	39 – 290 mm	34 – 378 mm
Environmental Character			
Temperature	Operating: -10 °C to 50 °C (14 °F to 122 °F); Storage: -20 °C to 70 °C (- 4 °F to 158 °F)		
Humidity	5% to 95% (non-condensing)		
Mechanical Vibration		withstands a random vibration alo	ng each of the X, Y and Z axes for a period of on
	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		
Mechanical Shock	IEC60064-2-27: Shock pulse: 0.5 ms, Maximal acceleration: 1500 G, Shock direction & time: \pm X-axis, \pm Y-axis, \pm Z-		
	3 times for each direction, total of 18 times.		
	Photobiological Safety: EN62471:200	•	
Safety		± 4 KV, air discharge: ± 8 KV	

MINDEO

Shenzhen MinDe Electronics Technology Ltd.

Postcode: 508057