

Barcode Scan

Engine

E8-35

Feature

- **Core Technology**
Adopt the self-developed core 6th decoding technology, with excellent decoding capabilities for 1D/2D.
- **To provide USB or TTL-232 or RS-232 interface,**
To meet different interface requests.
Clear Aiming Mode

Even in bright sunlight, it can provide clear laser cross aiming to ensure accurate barcode scanning

- **Split Design**
Image collector and decoding board are split and designed, small size, light weight, easily integrated to various devices

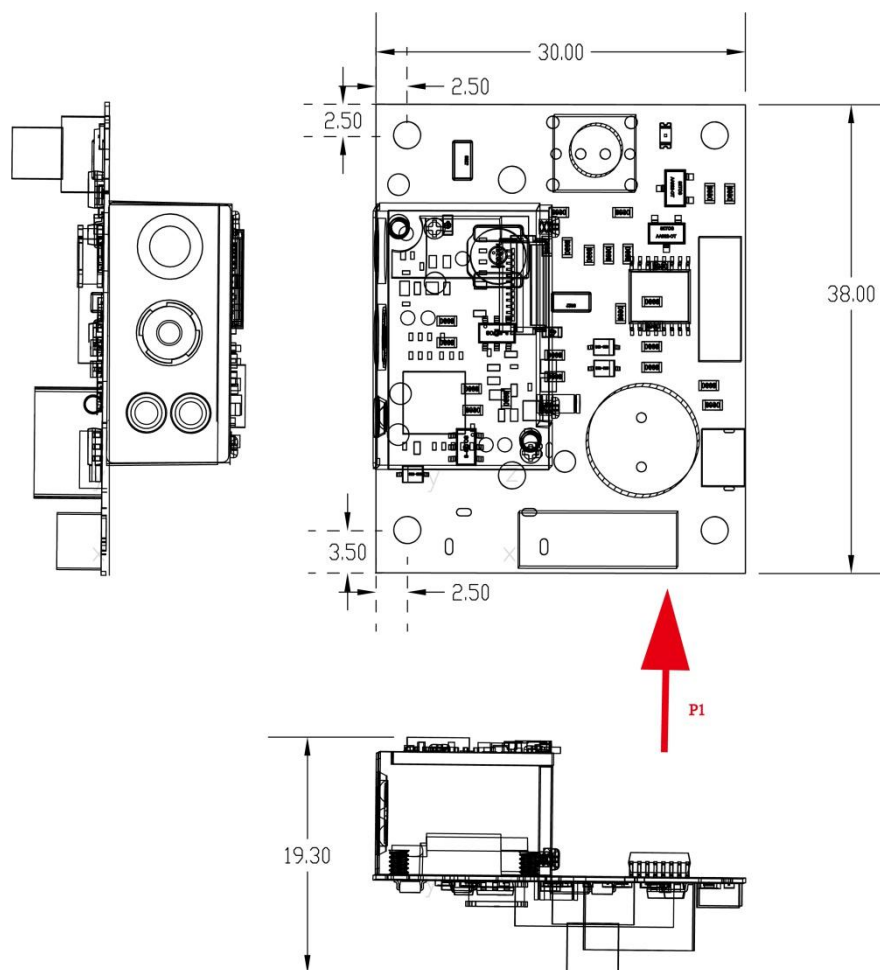
Scenario

It's widely used in PDA, Tablet, AFC, toll gate, access control, express delivery cabinet, ticket verification device, customer service center, and other self-service terminals(kiosks)

E8-35/Barcode Scan Engine

Scan Function	Image Sensor	1280×800 CMOS		
	Illumination	Warm White LED		
	Aiming	Red Laser 650nm		
	Symbologies	2D	PDF417, QR Code, Data Matrix, Hanxin Code, Micro PDF417, GM Code, Micro QR, Code One, etc.	
		1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey	
	Scan Precision*	≥3mil		
	Typical Depth of View*	EAN-13 (13mil)	70mm~500mm	
		PDF417 (6.7mil)	70mm~225mm	
		Code39 (5mil)	90mm~265mm	
		Data Matrix (10mil)	65mm~215mm	
		QR Code (15mil)	40mm~295mm	
	Symbol Contrast*	≥25%		
	Scan Sensitivity**	Skew±60°, Pitch±60°, Tilt 360°		
Field Angle	Horizontal 42°, Vertical 28°			
Mechanic/Electric Parameter	Communication Interface	USB, TTL232, RS232 (optional)		
	Size(mm)	38.0(W)×30.0(D)×19.3(H) (Max Value)		
	Weight	10g		
	Operation Voltage	5.0 VDC±5%		
	Rated Consumption	888mW(Typical Value)		
	Current	Operation Current	269mA(Typical Value), 399mA(Max Value)	
		Idle Current	<70mA	
		Sleeping Current	<1mA	
Environmental	Operation Temperature	-20°C~+60°C		
	Storage Temperature	-40°C~+70°C		
	Operation Humidity	5%~95% (Non-condensing)		
	Illumination	0~100,000LUX		
Certification	FCC Part15 Class B,CE EMC Class B, RoHS2.0, IEC62471			
Accessory	Data Cable	USB Cable	1m USB Cable	
		RS232 Cable	2mRS232 Cable (Including 0.5m USB Power Supply Cable)	

Size



PIN Definition

Number	Signal	I/O Type	Function Description
1	GND	Power	0V
2	RXD_232	I/O	TTL232 or RS232(optional) receive, (RS232 need customization)
3	TXD_232	I/O	TTL232 or RS232(optional) send, (RS232need customization)
4	D+	I/O	USB D+
5	D-	I/O	USB D-
6	VCC	Power	Power Supply 5V



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