



## Barcode Scan Engine

E5-35

### Feature

- **Core Technology**  
Adopt the self-developed core 6th decoding technology, with excellent decoding capabilities for 1D/2D.
- **Clear Aiming Mode**  
Even in bright sunlight, it can provide clear laser cross aiming to ensure accurate barcode scanning
- **To provide USB or TTL-232 or RS-232 interface,**  
To meet different interface requests.
- **Split Design**  
Image collector and decoding board are split and designed, small size, light weight, easily integrated to various devices

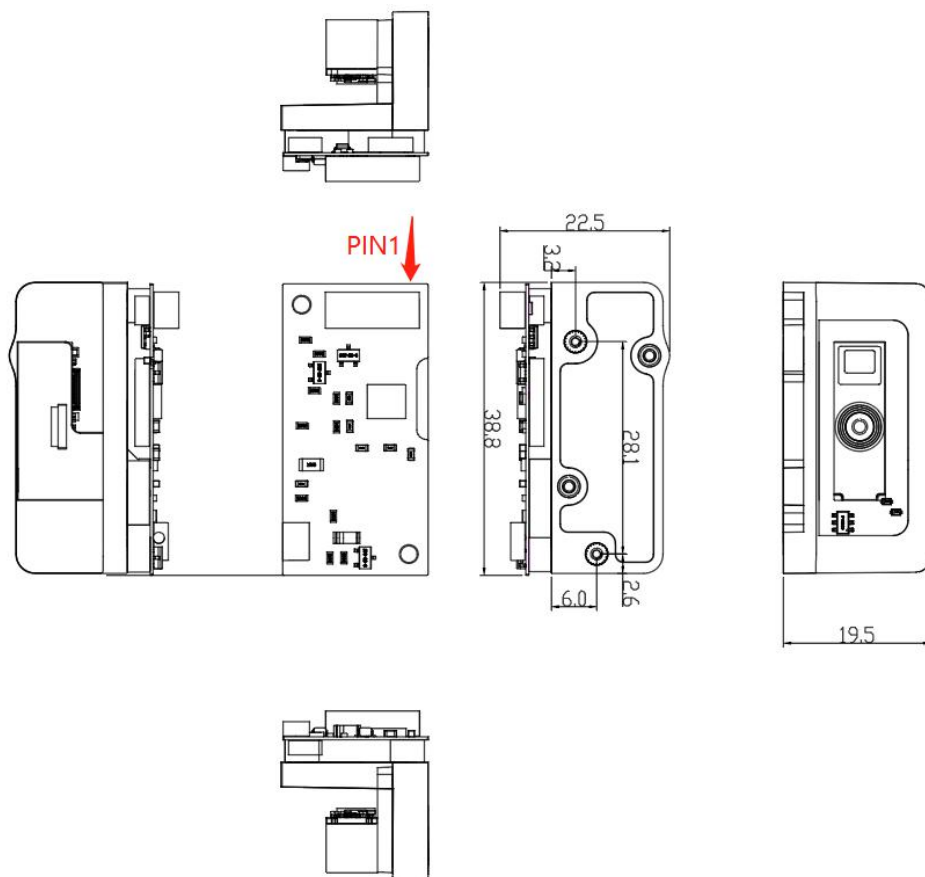
### Scenario

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)

# E5-35/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 11, Code 128, Code 39, GS1 128(UCC/EAN-128), AMI 128, Codabar, ISBT 128, Code 93, UPCA, UPCE, Coupon, GS1 Composite, EAN13, EAN8, ISSN, ISBN, Interleaved 2/5, Matrix 2/5, ITF14, ITF6, Industrial 2/5, Standard 2/5, China Post 25, MSI Plessey, Plessey, GS1 Databar(RSS), Code 49, Code 16K, etc.
	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°
Mechanical/Electrical Parameter	Communication Interface		TTL-232,USB	
	Size(mm)		38.8(W)×22.5(D)×19.5(H) (Max Value)	
	Weight		9g	
	Operation Voltage		5.0 VDC±5%	
	Rated Consumption		888mW(Typical Value)	
	Current@5.0 VDC	Operation Voltage		269mA(RMS Typical Value), 399mA(RMS Max Value)
		Idle Voltage		<70mA
Sleeping Voltage			<1mA	
Environmental	Operation Temperature		-20℃~+60℃	
	Storage Temperature		-40℃~+70℃	
	Operation Humidity		5%~95% (Non-condensing)	
	Illumination		0~100,000LUX	
Certification			FCC Part15 Class B, CE EMC Class B, ROHS	
Accessory	Data Cable	USB Cable	1m USB cable	
		RS232 Cable	2m RS232 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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