



## Barcode Scan Engine

E5-11

### Feature

- **Core Technology**  
Adopt the self-developed core 6th decoding technology, with excellent decoding capabilities for 1D/2D.
- **Outstanding Code Reading Capability**  
Special adjustment for on-screen code, to meet the requirement of lowest lightness and amount of various filmed on-screen barcode.
- **To provide USB or TTL-232 or RS-232(need customization) 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

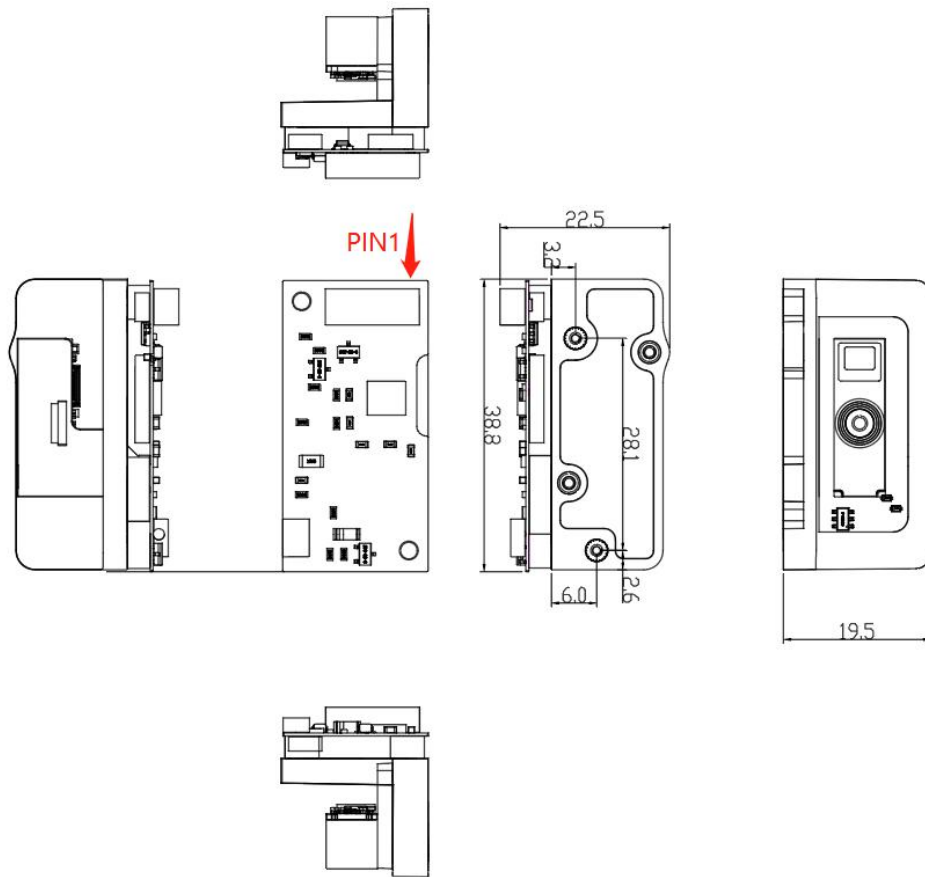
### Scenario

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)

# E5-11/Barcode Scan Engine

Function	Image Sensor	640×480 CMOS	
	Illumination	White LED	
	Aiming	Red LED	
Symbologies	2D	PDF417, Data Matrix, QR Code,	
	1D	Code 128、Ean-13 、Ean-8、UPC-E、UPC-A、ITF-25 (Interleaved 2 Of 5) 、Code39、Code93、Codabar	
Precision*		≥5mil	
Typical Depth of View	EAN-13	45mm-269mm (13mil 13 byte)	
	Code39	35mm-119mm (5mil 7 byte)	
	Code128	43mm-310mm (13mil 10 byte)	
	QR Code	19mm-185mm (15mil 30 byte)	
	Data Matrix	45mm-116mm (10mil 30 byte)	
Symbol Contrast*		≥20%	
Scan Sensitivity*		Skew±55°, Pitch±55°, Tilt 360°	
Field Angle		Horizontal 36°, Vertical 27°	
Mechanical/Electric Parameter	Communication Interface	TTL-232, USB (HID-KBW, Virtual Serial Interface) , RS-232 (Need Customization)	
	Size(mm)	38.8(W)×22.5(D)×19.5(H) (Max Value)	
	Weight	9 g	
	Operation Voltage/Voltage/Consumption	DC 5.0V/150mA/750mW	
	Standby Current	70mA	
	Environmental	Operation Temperature	-20°C~+60°C
Storage Temperature		-40°C~+80°C	
Operation Humidity		5%~95% (Non-condensing)	
Environmental Illumination		0~100000 lux (Natural Daylight)	
Certification		FCC Part15 Class B, CE EMC Class B	
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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