



Barcode Scan Engine

ME11

Feature

Core Technology

Adopt the self-developed core decoding technology, with excellent decoding capabilities for various 1D/2D barcode.

High integration

All-in-one design with decoding board and camera, possible smallest size to meet different requirement of mini-devices

Interface Optional

Scenarios

POS device, tablet, computer PAD, Straight Scanner, self-service kiosk.

USB and TTL-232 are available to supply with, to meet different kinds of application.

Green low consumption

Decrease the operating consumption, to extend the lifetime of the device. Lithium battery with large capacity, support low power mode, significantly improve the product range, meet all kinds of high load applications.

Plug and play, stable and convenient wireless communications

No need for installation, simple matching, easy to learn and easy to use, plug and play. 2.4 G and bluetooth compact design, meet the demand of different applications.

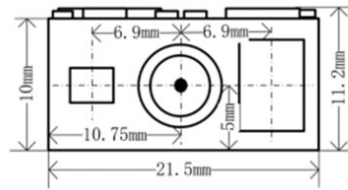
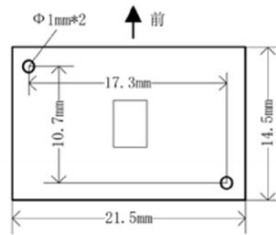
ME11-00 Barcode Scan Engine

Performance	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
	Depth of Field*	EAN-13	45mm-269mm (13mil 13 byte) Typical
		Code39	35mm-119mm (5mil 7 byte)
		Code128	43mm-310mm (13mil 10 byte)
		QR Code	19mm-185mm (15mil 30 byte)
		Data Marix	45mm-116mm (10mil 30 byte)
	Symbol Contrast*		≥20%
	Sensitivity*		Tilt±55°, Skew±55°, Roll 360°
	Field Angle		Horizontal 36°, Vertical 27°,
Mechanical/ Electric	Communication Interface		TTL-232, USB (HID-KBW, Virtual Series Interface)
	Physical Size(mm)		21.5(D)×14.5(W)×10.0(H) (Max Value)
	Weight		4 g
	Voltage		DC 3.3V(Operation)/150mA(Normal)/750mW(Consumption)
	Standby Current		70mA
Environmental	Operation Temperature		-20°C~+60°C
	Storage Temperature		-40°C~+80°C
	Operation Humidity		5%~95% (Non-condensing)
	Illumination		0~100000 lux (Natural daylight)
Certification			FCC Part15 Class B, CE EMC Class B
Accessories	Development Board		Development board with trigger key and beeper, RS232 and USB interface
	Data Cable	USB	USB cable, connecting with development board and information receiving host
		RS-232	RS-232 cable, connecting with development board and information receiving host
	Power Adaptor		5V power supply adaptor, assist to power on the development board with RS-232 cable

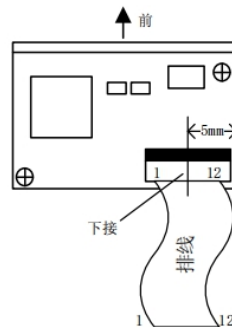
Testing distance=(minimum depth of field + maximum depth of field)/2; environment temperature=23°C; environment illumination=300 LUX white bulb LED, 2D: QR CODE; 1D Bytes; minimum width of barcode's empty space =15 mil; PCS=0.8;

Specification changes without previous notification.

Mechanical Size



FPC figure



PIN Layout

PIN	PIN input/output	Definition	Specification
PIN 1	-	NC	N/A
PIN 2	Power Supply	VCC	Input +3.5V
PIN 3	Ground	GND	-
PIN 4	Input	RX	RS232 Receiving Signal
PIN 5	Output	TX	RS232 Sending Signal
PIN 6	Input	D-	USB D- Signal
PIN 7	Output	D+	USB D+ Signal
PIN 8	-	NC	-
PIN 9	Output	BEEPER	Passive buzzer output signal; idle, low level
PIN10	Output	DLED	Decode the lights, free low level
PIN11	Input	RESET	Reset signal input, low level effectively. Keep a low level above 100 us, it can reset the device
PIN12	Input	TRIG	Trigger key input signal, with the low level of more than 10 ms, it can trigger reading code



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