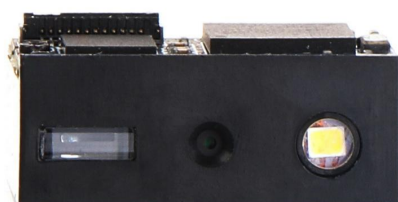
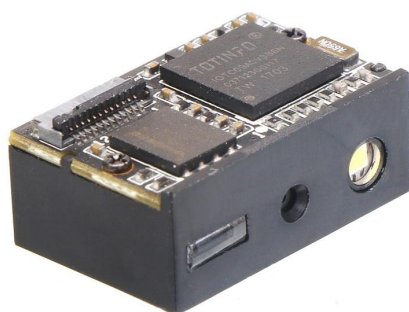
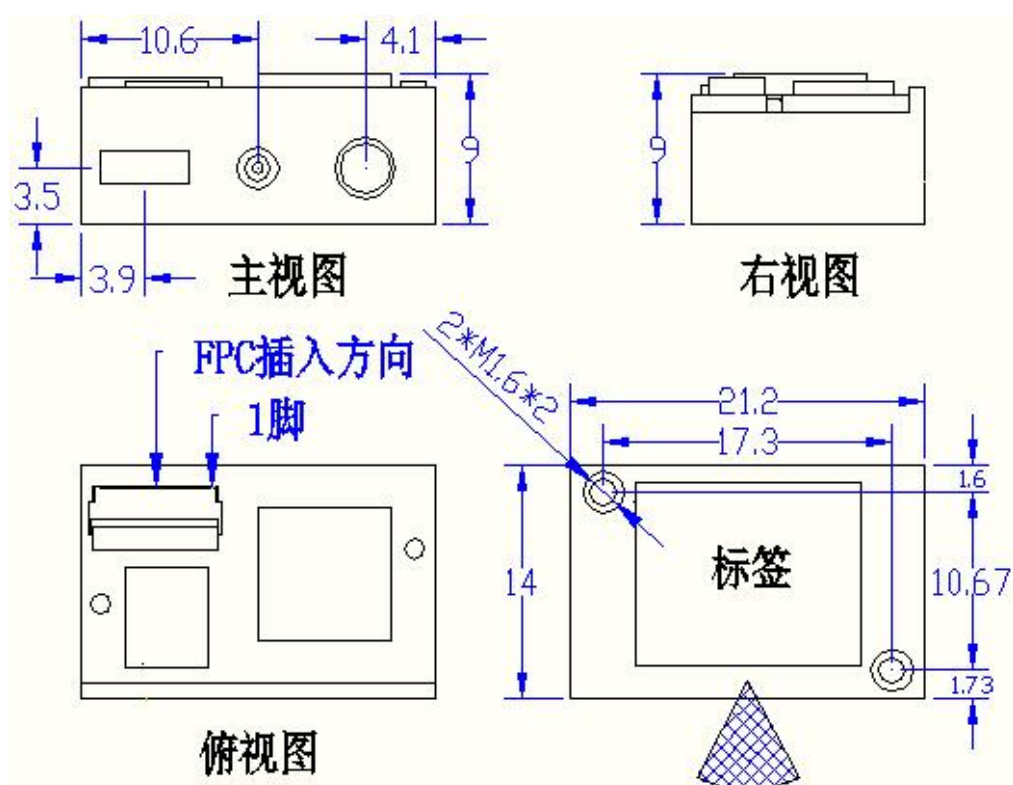


E480 2D Scan Engine

Acquisition Performance		
Image Sensor	960*640 CMOS	
Acquisition Speed	120 fps	
FOV	Diagonal 54°, Level 45°, Vertical 36°	
Reading Performance		
Precision	2D≥5mil, 1D≥4mil	
Depth of Field	Test Condition	Depth of Field
	Code 128 10mil 18bytes Paper Code	30~300mm
	Code 128 18bytes Phone Code	30~300mm
	QR 10mil 160bytes Paper Code	40~180mm
	DM 15mil 100bytes Paper Code	50~180mm
	QR 18bytes Phone Code	50~350mm
Scan Angle	Roll 360°, Elevation ± 55°, Deflection ± 55°	
Symbologies	2D Code: QR Code, Data Matrix, PDF417, Chinese sensible code etc.	
	1D Code: UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code93,Code 11, Interleaved 2 of 5, Industrial 2 of 5,Matrix 25,Standard 25, Code bar, MSI/MSI PLESSEY, GS1 Data Bar ,etc.	
Minimal Print Contrast	20%	
LED		
Illumination	White LED	
Positioning	Red LED (625±10nm)	
Physical Parameter		
Size	(W*D*H): 21.2mm*14mm×9mm	
Weight	5g	
Interface		
Interface	UART, USB serial port, USB KBW	
Cable	Flexible Flat Cable (FFC)	
Scanning Mode	Trigger Mode/Command Mode/Sense Mode	
Install Hole	Two M1.6mm threaded screws, lock depth is no more than 2mm	
Environmental		
Operating Temperature	-20℃ ~ 70℃	
Storage Temperature	-40℃ ~ 80℃	
Humidity	5% ~ 95%RH (non-condensing)	
Ambient Light	Max.100,000 Lux	
Electric		
Input Voltage	3.3V±0.3V	
Current@3.3VDC Operating	<230mA	
Current@3.3VDC Standby	<10mA	
Certifications		
Certificates	CE, RoHs, IEC62471	
Warranty	2 Years	

Dimension (Tolerance $\pm 0.2\text{mm}$)

PIN Definition

NO	PIN	Signal Type	Description
1	NC	Power	Empty PIN
2	VDD	Power	3.3V Power Supply
3	GND	Power	GND
4	RX	Input	UART Receive,TTL Level
5	TX	Output	UART Send,TTL Level
6	D-	Bi-directional Difference	USB D- Signal
7	D+	Bi-directional Difference	USB D+ Signal
8	NC	Power	Empty PIN
9	BUZ	Output	Beeper Signal Outputs (High Level is Valid),Need External Drive
10	LED	Output	LED Signal Outputs (High Level is Valid) , Need External Drive
11	NC	NC	Empty PIN
12	nTRIG	Input	Trigger Signal Inputs, Low Level is Valid