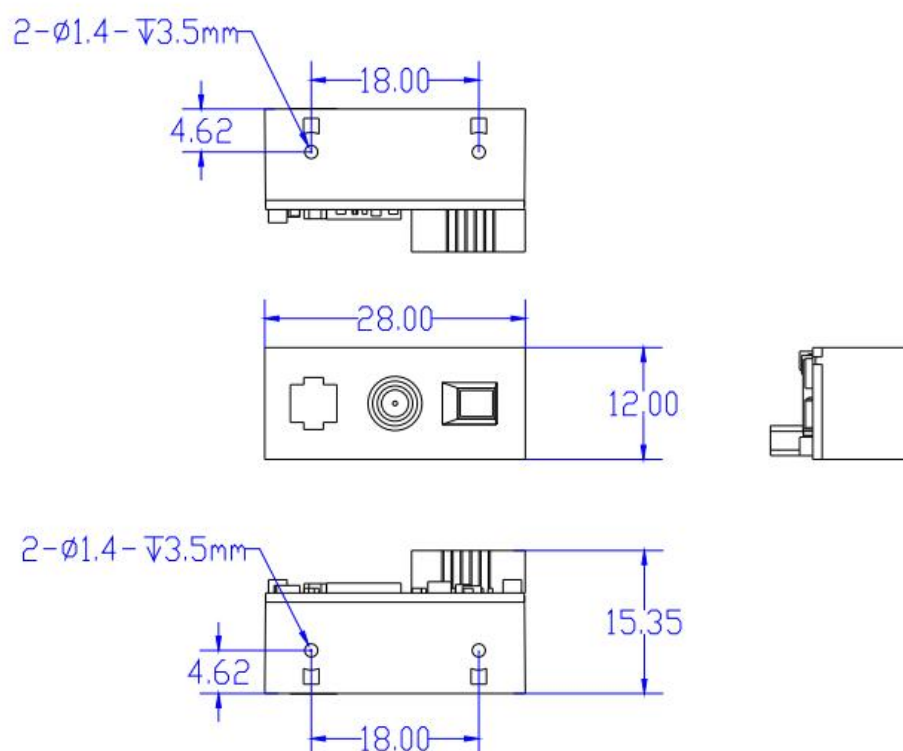


E470 2D Scan Engine Data sheet

Sensor Capability		
Image Sensor	640*480 CMOS	
Acquisition speed	30fps	
Field of View	Diagonal 58°, Horizontal 42°, Vertical 36°	
Scan Capability		
Scan Precision	2D≥5mil, 1D≥4mil	
Depth of Field	Testing Condition	Depth of Field
	Code 128 10mil 18bytes Paper Code	60~310mm
	Code 128 18bytes phone code	70~260mm
	QR 10mil 160bytes paper code	30~120mm
	DM 15mil 100bytes paper code	30~200mm
	QR 18bytes phone code	50~460mm
Scan Angle	Roll 360°, Pitch ± 55°, Skew ± 55°	
Symbologies	2D Code: QR,Data Matrix,PDF417,hanxin Code,Dot code etc	
	1D Code: UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code 93,Code 11, Interleaved 2 of 5, Industrial 2 of 5,Matrix 2 of 5, Standard 25,Plessey,MSI Plessey, GS1 Data Bar etc	
Minimal Print Contrast	20%	
LED		
Illumination	White LED	
Aiming	Red LED (625±10nm)	
Physical Parameter		
Dimension	(W*D*H): 28mm*12mm*14.55mm	
Weight	3g	
Notification	Beep, LED indicator	
Interface		
Interface	UART,USB-COM,USB KBW (support GBK、GB2312、UTF)	
Cable	Flexible Flat Cable (FFC)	
Scan Mode	Trigger Mode/Command Mode/Sense Mode	
Install Hole	PB1.7mm flat tail self-tapping screws are used for each of the two screw holes on the front and back sides. Maximum depth of locking is 3.5mm	
Environmental		
Operating Temperature	-30℃ ~ 70℃	
Storage Temperature	-40℃ ~ 80℃	
Humidity	5% ~ 95% (non-condensing)	
Ambient Light	Max.100,000 Lux	
Electric		
Input Voltage	3.3V±0.3V	
Current@3.3VDC Operating	< 190mA	

Current@3.3VDC Standby	< 10mA
Certifications	
Certificates	CE, RoHs, IEC62471
Warranty	2 Years

Dimension (Tolerance $\pm$ 0.2mm)



PIN Definition

No	PIN	Signal Type	Description
1	VDD	Power	3.3V power supply
2	VDD	Power	3.3V power supply
3	GND	Power	GND
4	RX	Input	UART receives, 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	GND	Power	GND
9	BUZ	Output	Beeper Signal Output(High Level is Valid) Need External Drive
10	LED	Output	LED Signal Output(High Level is Valid) Need External Driver
11	NC	NC	NC Empty PIN
12	nTRIG	Input	Trigger Signal Inputs, Low Level is Valid