

E231 Scan Engine Data Sheet

Acquisition Performance		
Sensor	Image Type, CMOS Sensor, 640*480 Pixel	
Acquisition Speed	1/100fps	
FOV	Level 73°, Vertical 54°	
Reading Performance		
Reading Mode	Close to the window, support mobile reading	
Depth of Field*	Testing Condition	Depth of Field
	QR(15mil)	30~140mm
	Data Matrix(10mil)	50~110mm
	EAN13(13mil)	45~210mm
	Code39(8mil)	55~100mm
Scan Angle	Roll 360°, Pitch ± 45°, Skew ±45°	
Symbology	2D Code: QR Code, Data Matrix, PDF417, Hanxin Code, Dotcode	
	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, Codabar, MSI/MSI PLESSEY, GS1 DataBar etc	
LED		
Illumination	White LED	
Physical Parameter		
Size (mm)	26×20.8×8.1（W×H×D）	
Interface		
Port	8PIN Cable, USB/TTL-RS232	
Scanning Mode	Command Mode/Sense Mode/Trigger Mode	
LED Prompt	Green: Code reading successfully	
Cable（Optional）	USB 1m straight cable、RS232 1m straight cable、Support Customization	
External extensible interface	Buzzer, Decoding success indicator light, trigger signal	
Environmental Parameter		
Operating Temperature	-20℃ ~ 60℃	
Storage Temperature	-40℃ ~ 70℃	
Humidity	5% ~ 95% RH (non-condensing)	
Ambient Light	Max.100,000 Lux	
Electrical Parameter		
Input Voltage	3~3.6V	
Operating Current@3.3V	< 200mA	
Rated power consumption@3.3V	≤850mW(Max)	
Stand-by Current	≤20mA(Typical Value)	
Boot Time	≤250mS(Typical Value)	

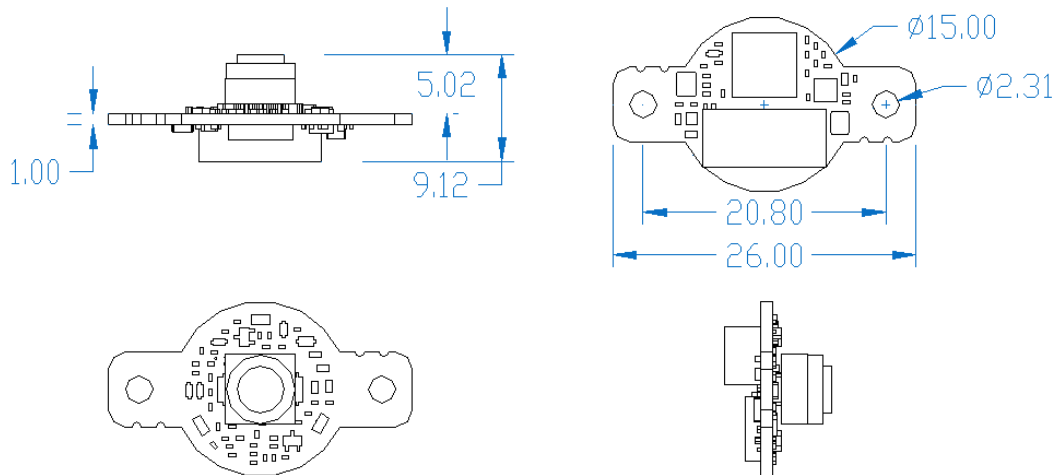
*Test condition: ambient illumination is 300 Lux LED light

If need customization,it has MOQ request.

Additionally, cable, layout and software customization is available, feel free to contact us.

Dimension Diagram

Referenced CAD image can be provided, tolerance: $\pm 0.2\text{mm}$



Interface

8pin Cable Interface

NO	Pin	Signal Type	Description
1	3.3V	Power Supply	3.3V Power Supply
2	GND	GND	GND
3	nTRIG	Input	Trigger signal input, low level is available (3.3V Level)
4	BUZZ	Input	Buzzer signal output, need external drive
5	USB_D+	Bi-directional Difference	USB D+ signal
6	USB_D-	Bi-directional Difference	USB D- signal
7	TTL_TXD	Output	TTL_232 Signal sends
8	TTL_RXD	Input	TTL_232 Signal receives