

MZR810

Two-dimensional image module

- Comprehensive reading ability
 - Low power design compatible with all kinds of devices
 - Humanized light source
 - Powerful data editing capabilities



Product Features

Comprehensive reading ability

It can recognize one-dimensional paper codes above 3 mil and two-dimensional paper codes above 7mil with the above density and direct component bar codes.

Low power design compatible with all kinds of devices

The low power design of the device can minimize the connection problems caused by factors such as insufficient USB drive capacity of the host or excessive voltage requirements of the access device, and maximize the compatibility of the device.

Humanized light source

LED point light source can not produce visual fatigue in continuous high intensity working conditions, but also greatly improve the working efficiency.

Powerful data editing capabilities

Powerful data editing function, can flexibly meet all kinds of data editing requirements.

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Two-dimensional image module

1. Technical parameter

Electrical Character	
Data interface	TTL , USB
Working voltage	DC 3.3V±5%
Working current	150 mA ±5% (Representative value) , 250 mA ±5% (Max) @ VCC 3.3V
Optical Property	
Sensor	CMOS Sensor
Sensor resolution	640X480 pixel
Aim at the light source	LED aiming point
Light source for illumination	Warm white 3000k
Performance Characteristic	
Reading angle	Rotation angle:360° , Skew angle:± 60° , Tilt angle:± 60°
Ken	Horizontal 38° , vertical 25°
Reading accuracy	1D≥3mil,2D≥7mil
Min print contrast	≥20%(UPC/EAN 100% , PCS 90%)

Decoding
capability

1D : UPC A , UPC E , EAN 8 , EAN 13 , Code 128 , Code 39 , Code 93 , Code 32 , Code11 , Codabar , Plessey , MSI , Interleaved 2 of 5 , IATA 2 of 5 , Matrix 2 of 5 , Straight 2 of 5 , Pharmacode , GS1 DataBar 14 , GS1 DataBar Expanded , GS1 DataBar Limited , Composite Code A , Composite Code B , Composite Code C

2D : Data Matrix , QR Code , Micro QR , PDF417 , Micro PDF417 , Aztec , MaxiCode , Han Xin Code

Physical Characteristics

Physical size	28.5(W) × 20.2 (D) × 13.7 (H)
Weight	About 6 g

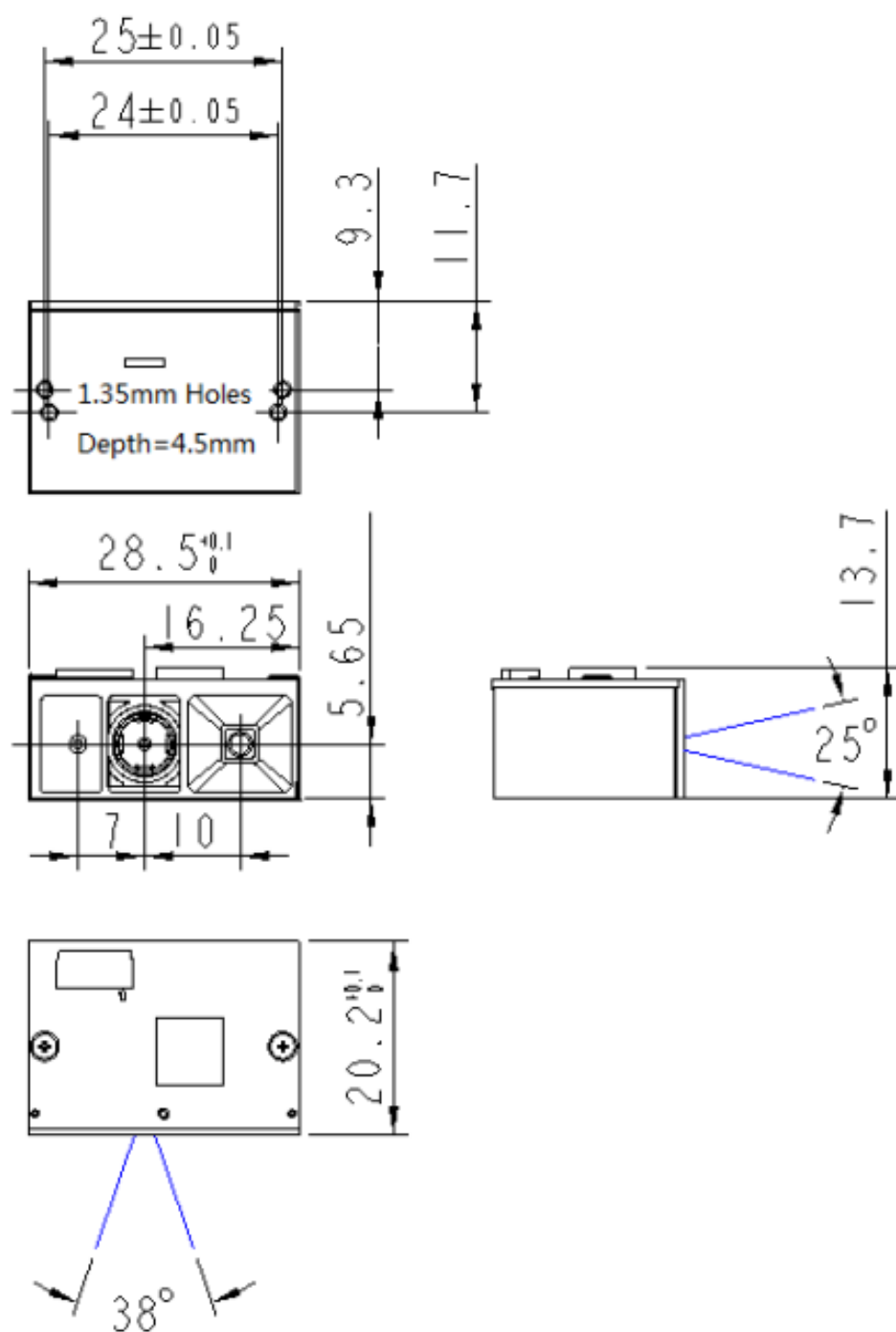
Environmental Character

Temperature	0°C~+50°C (Work) , -40°C~+70°C (Storage)
Humidity	5%~95%No condensation
Ambient light	0-8600lux(Fluorescence) , 0~100,000Lux (Daylight)

Read the depth of field

Code39(3mil)	40mm~90mm
Code39(4mil)	40mm~110mm
Code39(5mil)	40mm~150mm
DM(7mil)	50mm~90mm
EAN(13mil)	50mm~300mm

2. Product Size



3.Definition of PIN

PIN	Signal name	Input/Output	Instruction	
1	NC	-		
2	VIN	-	Power:supply voltage input	Power input
3	GND	-	Ground: power and signal ground	Landing
4	RXD	I	Input: TTL level 232 receive data	TTL-232 receives
5	TXD	O	Output: TTL level 232 transmit data	TTL-232 sent
6	D-	I/O	USB D- differential data signal	USB communication D- differential signal
7	D+	I/O	USB D+ differential data signal	USB communication D+ differential signal
8	NC	-		
9	BEEPER	O	Output: Beeper output	Output of buzzer
10	nGoodRead	O	Output: Good read output	Decoding instruction output signal
11	NC	-		
12	nTrig	I	Input: Active low	Trigger input signal
I=Input ; O=Output				