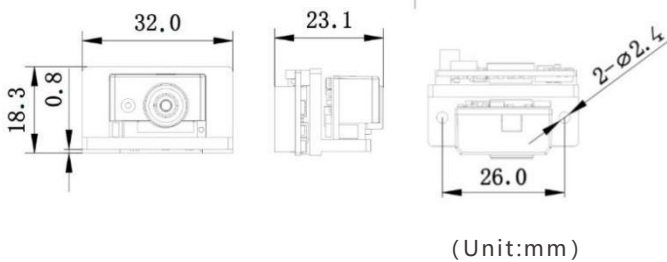


infoscan EV1010 | Image Scanning Engine



>> Features

- 1D /2D barcode identification.
- RS232 /USB interfaces
- Embedded installation design
- Screen barcode readable
- Multiple working distance models
- External trigger /command trigger /induction trigger

>> Applications

- Blood analysis instrument
- Urine analyzer
- Biochemical analysis instrument
- Self-service equipment integration
- Immunoassay instrument

>> Technical Data

Performance Characteristics		
Image Sensor	1024×800,1/4inch,CMOS sensor, Global shutter	
Frame Rate	Maximum 72 frames/second	
Light Source	Red LED	
Focusing Mode	Fixed focus	
Focal Length	4.2mm	
Angular Field of View	38°(Horizontal), 30°(Vertical)	
Decode Capability	1D,2D and stackcodes that meet national and international standards	
Scanning Accuracy	1D code :3mil; 2D code :5mil	
Decode Range (EV1010)	3.34 mil128	40mm~75mm
	5milCode128	35mm~110mm
	6.67milCode128	25mm~145mm
	10milCode128	25mm~215mm
	15milCode128	35mm~320mm
	5milDatamatrix	40mm~85mm
	6.67milDatamatrix	35mm~100mm
	10milDatamatrix	30mm~145mm
	15milDatamatrix	25mm~215mm

Physical Characteristics	
Communication Interfaces	RS232/USB2.0
Dimensions	Lens module (OM10X) : 20.6(W)*13.6(D)*12 (H) Decoding board (DB01) : 30.1(W)*18.0(D)*8.2mm (H)
Weight	Lens module: 3.5g; Decoding board : 3g
Operating Voltage	5VDC±5%
Working Current	300mA (peak)
Stand-by Current	120mA (peak)
Environmental Parameters	
Working Temperature	-10~50°C
Storage Temperature	-20~65°C
Humidity	5% to 95%(non condensation)
Accessories list	
Decoding Board	Equipped with trigger button And buzzer, with typec interface
Cable	One USB Type-C cable

>> Interface definition description of EV1010 decoding board(db01)

Number	DB01decoding board interface definition	Usage description	Input/Output	Default state
1	LED_GOOD	Reading success indicator	Output	High level
2	WAKEUP	Awaken	Input	Low level
3	USB_DN	USB interface	Input/Output	/
4	USB_DP	USB interface	Input/Output	/
5	UART_RX	Serial port	Input	/
6	UART_TX	Serial port	Output	/
7	Output_ERROR	Reading failure feedback signal	Output	Low level
8	Output_GOOD READ	Reading failure feedback signal	Output	Low level
9	LED_ERROR	Reading failure indicator	Output	High level
10	BEEPER	Buzzer	Output	Low level
11	TRIGGER	Trigger	Input	High level
12	PWM4	Auxiliary lighting	Output	Low level
13	GND	land	POWER	/
14	GND	land	POWER	/
15	VCC	Power Supply (5VDC)	POWER	/
16	VCC	Power Supply (5VDC)	POWER	/

>> Reading Performance

