

RD-2023

2D Handheld Scanner



Features

1. Suitable for industrial environments;
2. High resolution: 1280 × 1024, CMOS sensor: 1.3 million pixels;
3. Fast in reading various 1d 2d barcodes, especially DPM codes;
4. Can effectively deal with dirty barcodes, defective barcodes, and low contrast barcodes;
5. Adopt 1.3MP global shutter sensor, cooperate with lighting system to ensure excellent image quality;
6. Self-contained LED aiming, clearly indicating the target field of view;
7. SDK is available;

Specification

Performance	Resolution	1280 × 1024	
	Sensor	CMOS global shutter sensor	
	Maximum Frame Rate	50fps	
	Light Source	White LED	
	Aiming Method	Red LED	
	Supported Symbolologies	2D	QR Code, Data Matrix etc,.

		1D	Code 39, Code 93, Code 128, CodaBar, EAN8, EAN13, ITF25, ITF14, UPCA, UPCE ,.
	Precision	1D:3mil 2D:4mil	
	Depth of Scan Field	Code 39 (3 mil): 45 ~ 80 mm	
		Code 39 (5 mil): 35 ~ 100 mm	
		Data Matrix (5 mil): 45 ~ 75 mm	
		Data Matrix (10 mil): 45 ~ 220 mm	
		EAN13 (13 mil): 60 ~ 400 mm	
	Print Contrast	≥20 %	
	Scan Angle	Tilt Angle ±60°, Skew Angle ±60°, Rotation Angle 360°	
	Field of View	Horizontal 40°, Vertical 34°	
Mechanical/Electrical Parameters	Communication Interface	TTL-232 , USB (HID-KBW, virtual serial port)	
	Physical Dimension	L*W*H(mm): :100*65*175 mm	
	Weight:	≈0.23kg	
	Operating Voltage	DC 5 V	
	Operating Current	0.8 A max	
	Typical Power Consumption	1.5 W@5 VDC	
Environmental Parameters	Operating Temperature	-0°C~+50°C	
	Storage Temperature	-40°C~+70°C	
	Working Humidity	0%~95% RH non-condensing	
	Ambient Light	0~100000LUX	

*Test conditions: Ambient temperature = 25°C; Ambient illuminance = 150 lux incandescent lamp; use the test sample code developed by our company