

ZKB201

ZKB2 Series

2D Barcode Scanner



ZKB201 is a small-sized 2-dimensional scanner, which integrates the lens and decoding function. It has high-efficiency decoding rate and ultra-low BER.

Features

- Identifying all 1-dimensional bar codes and most 2-dimensional bar codes;
- High Identification ability of barcodes in computer and mobile devices;
- Equipped with four $625\pm 10\text{nm}$ red lights;
- Cursor indicator and the blinking function;
- White and black available, fireproof, waterproof, shock-proof and other excellent performance;
- Uses the standard 10-core RJ45 interface;
- Provides the USB-HID interface, USB analog serial port, UART interface, and HID-POS interface;
- Uses bright light filling indication and an indicator showing the central position for bar codes;
- Capable of identifying bar codes with low contrast;
- Ultra-long reading Depth of Field (DoF);
- Supports secondary development for various project types.

Specifications

Model		ZKB201
Barcode Types		1-dimensional: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, UCC/EAN-128, and GS1 Databar 2-dimensional: PDF417, QR Code (Model 1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140)
Power	Voltage	DC 3.5V-5.5V(Standard), 9V(Optional)
	Operating Current	130mA
	Standby Current	20mA
	Maximum Peak	220mA
Interface	USB-HID	Supporting USB interfaces later than USB1.1
	UART	Baud rate range 1200-115200 bps
Transmission Rate		Support low-speed, high-speed and full-speed three data transmission mode
Light Source	Wavelength	Red light with the wavelength of 650nm±10%
	Power	< 70mW
Indicator		Green blinking indicator, which indicates the central position for bar codes
Depth of Scan Field		EAN13 (13mil): 55mm - 320mm PDF 417 (6.7mil): 70mm - 155mm Data Matrix (10mil): 55mm - 175mm QR Code (15mil): 35mm - 220mm
Scan Angle		Rotation: 360°, Tilting: ±50°, Deflection: ±50°
View Angle		Horizontal 35.5°, Vertical: 23°
Print Contrast		>=30% reflection difference
Precision		>=4mil
Decode Error Rate		1/8 million
ESD Rating		Contact Discharge: 9 KV, Air Discharge 15 KV
Work Environment	Operating Temp.	10°C - 50°C
	Storage Temp.	-20°C - 60°C
	Operating Humidity	5% ~ 95%RH (condensing)
Anti-knock		1.8m free fall to test
Dimension		163*70*102mm (L*W*H)
Certifications		CE, FCC, ROHS, IP65, IEC60825

