

QR Code Scanner

JC210



JC210

Leveraging proprietary core technologies, we deliver rapid response capabilities to support customer development or customization requirements.



Compatible with mainstream QR code scanning modules on the market, featuring high integration and stable, reliable quality.



Quickly scan barcodes on screens and paper—one device handles multiple



Supports decoding mainstream 1D and 2D barcodes on the market, with custom decoding capabilities available upon request. Supports OCR-A and OCR-B fonts (optional).



Multiple interface protocols: USB-HID, USB-COM, RS232 interface. Interface types include FPC, SH 1.0 connectors, and Micro USB (optional).



Provide an easy-to-use SDK to help customers quickly import and debug, saving technical personnel development time.

Application Scenarios

Small self-checkout devices, rapid scanning of paper barcodes on assembly lines, and other application scenarios

JC210 Barcode Reading Engine Parameters

Scanning Performance	Image Sensor		640×480 CMOS
	Lighting		White light LED
	Barcode System	2D	PDF417, Data Matrix, QR Code
		1D	Interleaved 2 of 5, ISBN, Code 93, Code 11,UCC/EAN-128
			GS1 Databar, Matrix 2 of 5, Industrial 2 of 5,Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar,Standard 2 of 5, MSI-Plessey,GS1 composite code, etc
			Recognition accuracy*
	Typical Depth of Field Reading*	Alipay	10 -150mm(Based on the scanning view window, with a phone screen size of 5.2 inches)
		Bus QR Code	10 -120mm(Based on the scanning view window, with a phone screen size of 5.2 inches)
	Symbolic Contrast*		≥20%
	Barcode sensitivity**		Tilt ±55° , Swivel ±55° , Rotate 360°
	Field of view angle		Horizontal 60° , Vertical 48°
	Mechanical/Electrical Parameters	Communication Interface	
External Dimensions(mm)		Length: 90mm, Width: 72.5mm, Height: 57mm	
Weight		240g	
Operating Voltage		5V DC±10%	
Rated current		(Typical value) Less than 190mA (5V input) Less than 100mA (10V input)	
Environmental Parameters	Operating Temperature		-20℃~+60℃
	Storage temperature		-40℃~+70℃
	Operating Humidity		5%~95%(No condensation)
	Ambient lighting		0~100,000LUX
Thermal shock resistance	maximum temperature		60 ° C (140 ° F)
	Lowest temperature		-20 ° C (-4 ° F)
	Number of cycles		30 minutes at high temperature; 30 minutes at low temperature
	cycle		24
Resistance to mechanical impact	Vibration		2000 G, 0.7 ms, half sinus, 3 axes
	Fall		Withstands a 1.2-meter drop onto concrete surfaces

**Test Conditions: Ambient Temperature = 23℃; Ambient Illuminance = 300 LUX (Incandescent Lighting); Custom Test Pattern Used*

***Test Conditions: Test Distance = (Minimum Depth of Field + Maximum Depth of Field) / 2; Ambient Temperature = 23℃;*

Ambient Illuminance = 300 LUX Incandescent Light

2D: QR CODE; 10 Bytes; Minimum Bar/Space Width = 15 mil; PCS = 0.8;

Note: Specifications are subject to change without notice.