



iData J16

Wired high-performance scanner

Built for electronics manufacturing & industrial manufacturing

iData J16 is a wired high-performance scanner. iData's innovative scanning technology, which has multi-spectral scanning, polarized light elimination technology and algorithm optimization, can effectively solve the problems of hard-to-recognized barcodes in electronic manufacturing and industrial manufacturing. With USB connection, simply plug and use, a quick way to upgrade your business.

Multi-spectral technology, quickly read low-contrast barcodes

DPM codes in electronic manufacturing and industrial manufacturing are mostly produced by dot engraving, laser etching, or chemical etching, etc. In terms of barcodes such as vague, damaged, low contrast, the built-in smart algorithm can match the best light source for quick barcode capture.

Polarized light elimination, reduce reflection and ghosting

For strong reflective materials such as metal, glass, and ceramic tiles, the new generation of optical design can effectively eliminate the influence of polarized light, and solve the problems of overexposure and ghosting caused by surface reflection, which are difficult to read.

Efficient decoding algorithm, fast and accurate decoding

NPU acceleration technology; 60,000+ barcode case library. The latest generation of decoding algorithm can quickly read and decode accurately. Besides, it can be adjusted perfectly according to electronic manufacturing ultra-miniature barcodes, it can read up to 1.667mil barcodes.



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J16 Technical Specifications

Performance Parameter

Light Sensor	1280*1080 pixels
Light Source	WHITE, RED, BLUE

Physical Parameter

Size (H*W*D)	174.82mm (H) *85.3mm (W) *64.48mm (D)
Weight	153g
Working Voltage	4.5V~5.5V (DC)
Current	175mA (typical) , 460mA (maximum)
Interface	USB-HID, USB-CDC, RS232
Reminder	Buzz reminder/LED reminder
Housing Material	PC+ABS

Code System

1D	Codabar, Code 11, Code 128, Code 32, Code 39, Code 93, EAN 13, EAN 8, UPC-A, UPC-E, IATA 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, Straight 2 of 5, MSI/Plessey, GS1 DataBar, etc.
2D	Aztec, Data Matrix, MicroPDF 417, PDF 417, QR, Micro QR, Grid Matrix, etc.

Decoding Range

Decoding Range	XD (Ultra-high Density)	HD (High Density)	SR (Standard Range)
3.33mil Code128	0.5cm~3cm (0.016" to 0.1")	2.5cm~14cm (0.98" to 5.51")	9.5cm~16.0cm (3.74" to 6.30")
10.83mil Code128	0.5cm~5cm (0.016" to 0.16")	0.5cm~19cm (0.2" to 7.48")	2.0cm~50.0cm (0.79" to 19.69")
5.83mil QR Code	0.5cm~3cm (0.016" to 0.1")	3.5cm~8.5cm (1.38" to 3.35")	11.0cm~13.5cm (4.33" to 5.31")
20.83mil QR Code	0.5cm~6.5cm (0.016"~0.21")	1.5cm~21cm (0.59" to 8.27")	4.0cm~95.0cm (1.57" to 37.40")

Scanning Performance

Scanning Accuracy	≥3mil
Scanning Angle	(pitch): ±70°; (skew): ±60°; (tilt): 360°
View Angle	Horizontal: 44.3°, Vertical: 28.4°, Diagonal: 51°
Minimum Reading Contract	15%
Motion Tolerance	13mil UPC 2m/S (Support up to 8m/s in high motion tolerance mode)

Environment Parameter

Working Temperature	0°C~50°C
Storage Temperature	-20°C~70°C
Humidity	5%~95% (No condensation)
Ingress Protection	IP52
Drop Specification	Multiple drops to concrete floor from the height of 1.8m
Ambient Light	0Lux~100000Lux
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Corresponding Regulations

Electric Safety	IEC 60950
Environmental Specification	RoHS directive 2011/65/EU, GB/T 26572
LED Safety	IEC 62471:2006
EMI/RFI	FCC Part 15 Class B, EN 55032:2015, EN 55035:2017

Accessories

Standard Accessories	USB cable*1, user manual*1
Optional Accessories	Cradle, serial cable