

iData J17 series

New generation high-performance AI scanner

The AI performance makes complicated barcode scanning easier

The iData J17 series is a new generation of high-performance AI scanner, with corded and cordless versions. It uses a new generation quad-core powerful decoding chip and AI decoding algorithm internally, which can achieve millisecond level response even for difficult to read DPM barcodes; Paired with three color light sources and surface light sources for illumination design, making barcode recognition easier in complex work sites such as electronics factories and automotive workshops; The powerful protection and detachable battery design greatly extend the product's lifespan.

New generation AI decoding algorithm, capable of decoding difficult to read barcodes in milliseconds

Equipped with a powerful quad-core decoding chip and AI decoding algorithm, the device has stronger decoding ability and faster decoding speed. Whether it is high-density barcode or blurry DPM code, it can be decoded in milliseconds, reducing the feeling of stuttering in on-site operations and making the operation smoother.

3-color light and surface light source illumination are more suitable for complex work sites

Using white point light source and red+blue surface light source for illumination, whether in low light, bright light environment, or barcode surface reflection or blurring, it can clearly illuminate and almost meet the lighting needs of complex environments such as electronic factories and automotive assembly workshops. Combined with strong decoding ability, the equipment can better adapt to complex work sites.

Powerful protection and detachable battery enable devices to have a longer lifespan

Having strong drop and IP protection, the equipment can effectively cope with harsh environments such as drops, collisions, water splashes, dust, etc., effectively avoiding equipment damage caused by accidents; The cordless version adopts a detachable battery design, which can be replaced with a new backup battery to continue using if battery ages, greatly extending the product's lifespan.



Home appliance assembly

Automobile manufacturing

Component Management

Consumer electronics, communication and computer

Computer Peripheral and Supplies Ltd. Phatthanakan 53, Suanluang, Bangkok 10250 Thailand | Tel : (66) 0-2322-9535, 0-2722-4040 | Web site : www.cps.co.th | LINE ID : @cps.co.th

J17 Series Technical Specifications

Performance parameter

Image sensor	1280 * 800 pixels, global exposure
Light source	White point light source+ red & blue surface light source
Aiming	laser

Physical parameters

Size (H * W * D)	180.3mm*87.3mm*69.3mm
Weight	corded: 210g cordless: 257.0g
Working voltage	corded: 5V ± 0.5V cordless: 3.5~4.2V
Current value	corded: 190mA (typical value), 460mA (maximum value) cordless: 222mA (typical), 575mA (maximum)
Interface	USB-HID，USB-CDC，RS232
Notification	Speaker + LED reminder +Vibration motor
Housing material	PC+GF+ABS

Code recognition 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，Micro PDF 417，PDF 417，QR，Micro QR，Grid Matrix etc

Decoding range

Barcode	XD (ultra-high density)	HD (High Density)	SR (Standard Distance)
3.33mil Code128	0cm~2cm	2.5cm~9.5cm	9.0cm~15cm
10.83mil Code128	0cm~4.5cm	0cm~16.5cm	2.0cm~41.0cm
5.83mil QR Code	0cm~2.5cm	2.5cm~8.0cm	/
20.83mil QR Code	0.5cm~6.0cm	0.5cm~19cm	0.5cm~51cm

Related regulations

Electrical safety	IEC 60950
Environmental parameters	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

Scanning performance

Reading accuracy	⩾3.33mil
Scanning angle	Pitch: ± 72.5 °; Skew: ± 60 °; Tilt: 360 °
Field of view angle	Horizontal: 44.3 °, Vertical: 28.4 °, Diagonal: 51 °
Motion tolerance	13mil UPC 2m/s (supports a maximum of 8m/s in high motion fault-tolerant mode)
Minimum Reading Contrast	6%

Environmental parameters

working temperature	0°C~50°C
Storage temperature	-20°C~70°C
Humidity	5% to 95% (no condensation)
Ingress Protection	IP67
Drop specification	Multiple drops to cement floor at 2 meters height
Ambient light	0Lux~100000Lux
Static protection	± 15KV (air discharge), ± 8KV (contact discharge)

cordless transmission performance BT (cordless version only)

Bluetooth	Bluetooth 5.0
Frequency band	2402MHz~2480MHz
Transmission distance	up to 70m in an open space
Communication mode	Base HID/Base CDC/Base RS232

Scan configuration (cordless version only)

Battery capacity	3200mAh, detachable
Charging time	3 Hours (5V/2A)
Working hours	⩾12h
Number of scans	Each charge can suport over 100000 times

Accessories

Standard accessories	corded: data cable*1, user manual*1 cordless: base * 1, adapter * 1, data cable * 1, user manual * 1
Optional Accessories	Serial port cable, cradle

The information of iData products and software service may be subject to change without notice. Please contact your iData sales representative for the latest details.

CDG | Computer Peripheral and Supplies Ltd.

Computer Peripheral and Supplies Ltd.
244 Soi Phatthanakan 53, Phatthanakan, Suanluang,
Bangkok 10250 Thailand

Tel : (66) 0-2322-9535, 0-2722-4040, Fax : (66) 0-2322-7990
Email : sales.dept@cps.co.th, www.cps.co.th
www.facebook.com/cps.co.th, LINE ID : @cps.co.th

J17 Series Accessories

Cordless Base



CHA-EXTD-J17(301140035)

Power Adapter



CHA-PWAD-GNR-5V2A-CN(301040033) (Applicable for cordless base)
CHA-PWAD-GNR-12V3A-CN(301040032) (Applicable for 4-slot battery charging cradle)

Detachable Battery



CHA-BTRY-J17-3200MA(301110275)

4-slot Battery Charging Cradle



CHA-CRD4B-GNR(301010242)

Fixed Cradle



MNT-MC-GNR(301020025)

Serial Port RS232/Data Cable USB



CHA-RS232-GNR(301030089)
CHA-USBC-GNR(301030062)

The information of iData products and software service may be subject to change without notice. Please contact your iData sales representative for the latest details.

CDG | Computer Peripheral and Supplies Ltd.

Computer Peripheral and Supplies Ltd.
244 Soi Phatthanakan 53, Phatthanakan, Suanluang,
Bangkok 10250 Thailand

Tel : (66) 0-2322-9535, 0-2722-4040, Fax : (66) 0-2322-7990
Email : sales.dept@cps.co.th, www.cps.co.th
www.facebook.com/cps.co.th, LINE ID : @cps.co.th