SUNLUX

IW20

2D Wireless Barcode Scanner

Excellent decoding capability

Super long depth of field

Multi-functional stand

1D/2D | Mobile payment | 32-bit | Red LED | 1280x800 Pixels | 2.4G | Bluetooth 5.2

Features

- High performance mega pixels image sensor for fast and accurate barcode scanning
- Multi-functional stand supports scanning barcodes during charging
- Strong decoding capability on small and difficult barcodes
  (blurred, wrinkled, low contrast and high density barcodes)
- Easy upgrade to support function expansion
- 2600mAh removable standard battery, easy replacement without tools

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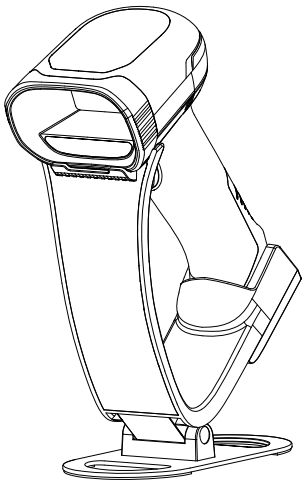
IW20
Technical Parameters

Performance Parameter	
CPU	32bits ARM
Light Source	White LED (Lighting) Laser (Aiming)
Scan Mode	Manual & Automatic
Image Sensor	CMOS
Resolution	1280x800 Pixels
Scan Speed	60 FPS
Scan Precision	≥3mil
Depth of Field	40~470mm (13mil EAN13 PCS=90%)
Print Contrast	≥15%
Interface	USB-HID, USB-VCP
Indicator	LED Indicator light, buzzer
Decoding Capability	1D: Codabar, Code11, Code39, Code32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code93, Code128, UPC-A, UPC-E, EAN 8, EAN 13, GS1 DataBar (RSS14), Standard 2 of 5 2D: PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec Code, MaxiCode

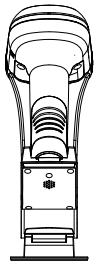
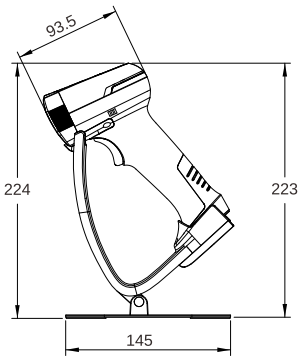
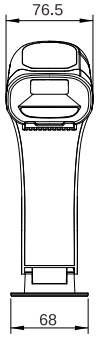
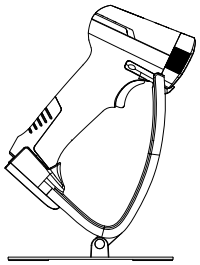


Physical Parameter	
Size	Scanner: 93.5x76.5x184 (mm) Cradle: 145x68x169 (mm)
Weight	Scanner: 237g Cradle: 277g
Continuous Battery Life	≥30H (One scaning every 5 seconds)
Battery Capacity	2600mAh
Communication Distance	2.4G mode: 100m (Open space) Bluetooth mode: 100m (Open space)

Electrical Parameter	
Input Voltage	DC 5V±10%
Working Current	800mA @DC3.7V
Standby Current	50mA @DC3.7V

Enviromental Parameter	
Temperature (Operating)	-10°C~50°C
Humidity	5% to 95% (Non-condensing)
Temperature (Storage)	-20°C~60°C
Resistance To Ambient Light	0~100,000Lux (Sunlight)

The depth of field performance

Barcode category	Minimum (mm)	Maximum (mm)
Code 39 4mil	40	200
Code 39 8mil	40	400
Code 39 13mil	70	540
Code 39 20mil	80	600
EAN 13 4mil	50	180
EAN 13 8mil	30	340
EAN 13 13mil	40	470
EAN 13 20mil	60	600
Code 128 4mil	40	170
Code 128 8mil	30	310
Code 128 13mil	10	480
Code 128 20mil	60	600
QR 6mil	50	150
QR 15mil	10	300
QR 20mil	50	400
QR 45mil	60	600

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