SUNLUX

National New and High Technology Enterprise

Member of National Torch Plan Project

Guangdong Engineering Technology Research Center

RH20

2D Wired Barcode Scanner

Plug and play

Exquisite and rugged design

Quick and accurate scanning

1D/2D | Mobile payment | 32-bit

Red LED | Plug and play | 640x480 Pixels | 1.5M Drop

Applications

Features

- Exquisite and rugged design, comfortable for using
- Plug and play, no need any driver, one click upgrade
- Quick and accurate reading of various 1D and 2D codes
- Strong decoding capability on 3mil barcodes and difficult barcodes (fuzzy, wrinkled, low contrast, high density, long barcodes)
- Support USB HID, USB-VCOM and RS-232 interfaces
- Suitable for retail stores, supermarkets, restaurants, libraries, pharmacies, etc

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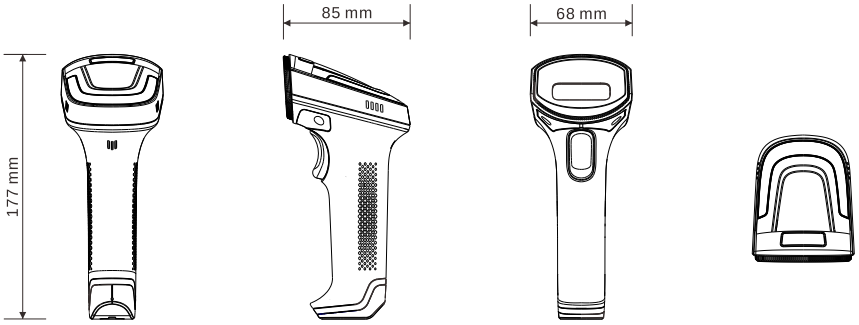
RH20
Technical Parameters

Performance Parameter	
CPU	32bits ARM
Light Source	White LED (Lighting) Red LED (Aiming)
Scan Mode	Manual & Automatic & Continuous
Image Sensor	CMOS
Resolution	640x480 Pixels
Scan Speed	60 FPS
Scan Precision	≥3mil (Code 128 6 digits)
Depth of Field	60~300mm (13mil Code39)
Print Contrast	≥15%
Interface	USB-HID, USB-VCP, RS232
Decoding Capability	1D: Codabar, Code11, Code39, Code32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5,Code93, Code128, GS1-128, UPC-A, UPC-E, EAN 8, EAN 13, ISBN, ISSN, GS1 DataBar (RSS14), GS1 DataBar Limited, GS1 DataBar Expanded, MSI, Standard 25, Plessey 2D: PDF417, Micro PDF417, QR Code, Data Matrix, Aztec Code, Hanxin code, Maxicode

Physical Parameter	
Size	L × W × H: 177×85×68 (mm)
Weight	140g
Case Material	ABS+PC

Electrical Parameter	
Input Voltage	DC5V±5%
Working Current	207mA
Standby Current	118mA

Enviromental Parameter	
Temperature (Operating)	-10°C ~ 50°C
Humidity	5% to 95% (Non-condensing)
Temperature (Storage)	-20°C ~ 60°C
IP Rating	IP42
Resistance To Ambient Light	0 ~ 100,000Lux (Sunlight)

The depth of field performance		
Code 39 (6 digits)	Minimum distance (mm)	Maximum distance (mm)
4mil	60	120
8mil	40	200
13mil	60	300
20mil	90	400
EAN 13 (6 digits)		
4mil	60	120
8mil	20	210
13mil	40	300
20mil	60	410
Code 128 (6 digits)		
4mil	50	120
8mil	20	200
13mil	30	290
20mil	50	400
QR (30 digits)		
6mil	40	90
15mil	20	200
20mil	30	270
45mil	60	500

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