SUNLUX

# RH21S

## 2D Wired Barcode Scanner



Stylish streamlined design

Online setting & upgrade

Excellent scanning performance

1D/2D | Mobile payment | 32-bit | Red LED | Plug and play | 640x480 Pixels | 1.5M Drop

## Features

- Self-developed core algorithm, supports online setting and upgrade.
- Powerful decoding ability on all kinds of small and difficult barcodes.
- Large indicator light ensures clear scanning feedback, adjustable prompt sound.
- Quick capture of barcodes from a wide distance range and different angles.
- Supports multiple countries' keyboard layouts and minor languages expansion.
- Stable performance supports long time high intensity operation.





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# RH21S
## Technical Parameters



| Performance Parameter | |
|---|---|
| CPU | 32bits ARM |
| Light Source | White LED (Lighting) Red LED (Aiming) |
| Scan Mode | Manual & Automatic |
| Image Sensor | CMOS |
| Resolution | 640x480 Pixels |
| Scan Speed | 60 FPS |
| Scan Precision | ≥3mil (Code 128 6 digits) |
| Depth of Field | 70~370mm (13mil Code 39) |
| Print Contrast | ≥10% |
| Interface | USB-HID, USB-VCP, RS232 |
| Decoding Capability | 1D: Codabar, Code 11, Code 39, Code 32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 93, Code 128, GS1-128, UPC-A, UPC-E, EAN-8, EAN-13, ISBN, ISSN, GS1 DataBar (RSS14), GS1 DataBar Limited, GS1 DataBar Expanded, MSI, Standard 2 of 5, Plessey<br>2D: PDF 417, Micro PDF 417, QR Code, Micro QR, Data Matrix, Maxicode, Aztec Code, Hanxin Code |

| Physical Parameter | |
|---|---|
| Size | Scanner:177×85×68 (mm)<br>Stand:145x68x169 (mm) |
| Weight | Scanner:140g Stand:208g |
| Case Material | ABS+PC |

| Electrical Parameter | |
|---|---|
| Input Voltage | DC 5V±5% |
| Working Current | 225mA |
| Standby Current | 46mA |

| 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 | 40 | 120 |
| 8mil | 40 | 240 |
| 13mil | 70 | 370 |
| 20mil | 100 | 570 |
| EAN 13 (6 digits) | | |
| 4mil | 50 | 120 |
| 8mil | 40 | 220 |
| 13mil | 50 | 380 |
| 20mil | 80 | 550 |
| Code 128 (6 digits) | | |
| 4mil | 40 | 120 |
| 8mil | 30 | 260 |
| 13mil | 30 | 430 |
| 20mil | 70 | 570 |
| QR (30 digits) | | |
| 6mil | 50 | 80 |
| 15mil | 10 | 220 |
| 20mil | 40 | 280 |
| 45mil | 60 | 510 |

*RH21S-11/08/26B-V.1.0.0

