RT230H

OEM 2D fixed mount barcode scanner

The RT230H is RTscan's new generation OEM 2D fixed mount barcode scanner, with fixed mount and compact design, its suitable for all kinds of Kiosk, ATM, ticket terminal, medical device for embedded use.

With infrared sensor, the barcode scanner can accurately detect and read the barcode, and also save power at the same time, only when a barcode appear, the illumination light will be on and the scanner begins to work, this way the scanner can always keep cool, this not only save power but also makes the scanner more durable and reliable .

Readable most 1D barcode and 2D barcode such as QR code, PDF417 code, Data Matrix, Aztec Code...and also with high performance for reading codes from phone screen.

- Small
- Fixed Mount
- 1D / 2D / QR / PDF417
- USB / RS232 interface
- Read from Paper / Phone screen

Features:

- Fixed mount barcode scanner compact design

- With Infrared sensor, more accurate and durable

- USB/ RS232 interface

- Readable PDF417 in some ID/Passport

- Supports most 1D and 2D bar codes, Aztec, QR code, PDF417.

- Readable either from LCD screen or from paper

Specification:

Mechanical

Dimensions (DxWxH)	60mm*45mm*22.5mm
Weight	100 g

Electrical

Input Voltage	5 VDC
Operating Power	210mA- 5V
Light source	Red LED 625±10 nm
Interfaces	RS232, USB (HID-KBW), USB-VCOM (different interface corresponding to different cable, can not be switched each other and also not changeable)

Environmental

Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 80°C
Humidity	5% to 95% relative humidity, non-condensing
Ambient light	0 to 100,000 lux

Scan Performance

Scan Pattern	Area Imaging
Image sensor	640*480 pixels CMOS, resoltion≥5mil
Field of view	Horizontal 44°, Vertical 33.2°
Symbol Contrast	≥30% reflectance difference
Pitch, Skew,rotate	±40°, ±40°, 360°
Decode Capability	**1D:** Code128, UCC/EAN-128, AIM-128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, GS1-DataBarTM(RSS), (RSS-14, RSS-Limited,RSS-Expand) **2D:** PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140)

Decode range

Code 39 (5mil)	35mm-160mm
EAN-13 (13mil)	60mm-345mm
PDF417 (6.67mil)	40mm-115mm
QR code(13mil)	40mm-150mm
Data Matrix (10mil)	35mm-110mm

Performance may be impacted by bar code quality and enviroment conditions.