RT830B

OMNIDIRECTIONAL AND HANDS-FREE KIOSK BARCODE SCANNER

RT830B is RTscan's new generation OEM 2D kiosk barcode scanner in 2017. Designed for embedded use, it is suitable for all kinds of Kiosk, ATM, ticket terminal, turnstile and medical devices. It is outstanding for its high speed motion tolerance (Up to 25in. (63.5cm) per second) and capacity to decode almost all types of bar codes, including Aztec, MaxiCode, QR, Data Matrix, PDF417, EAN code, etc. It also has been optimized for reading bar codes from mobile phone.

Support presentation mode (which detects and reads bar code automatically), continuous mode and command trigger mode, with USB-HID, USB-Virtual Com and RS232 interfaces.

Features:

▶ Fixed mount design for kiosk embedded use

▶ Large field of view

▶ Can read from LCD screen and paper

▶ Can read bar code on phone screen

▶ Detect and read barcode automatically

▶ Support most 1D and 2D bar codes, such as Aztec, QR, PDF417 codes, etc.

▶ USB/RS232 Interface

Mechanical

Dimensions (LxWxH)	65mm x 61.2mm x 28.7mm
Weight	33 g

Electrical

Voltage	5 VDC±10%
Operating current	220mA
Light Source	illumination: 617nm LED
Host System Interfaces	TTL, USB HID-KBW, USB virtual COM, RS232

Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to 70°C
Humidity	0% to 95% relative humidity, non-condensing
Drop	withstand 1.0 m drops to concrete on each of the faces
Ambient Light	0 to 100,000 lux

Scan Performance

Scan Pattern	Area Imager
Optical Resolution	CMOS 752*480 pixels
Scan Angle	Omnidirectional
Symbol Contrast	20% minimum reflectance difference
Scan Angle	Roll: 360°, Pitch: ±65°, Skew: ±50°
Field of View	Horizontal 115°, Vertical 90°
Decode Capability	2D: QR Code, Micro QR, Aztec, PDF417, Micro PDF417, Data Matrix, Maxicode , etc
	1D: Code 128, EAN-13, EAN-8, Code39, etc.

Typical Depth of Field	5mil 0mm-10mm
	13mil 0mm-30mm