

ProMax BCR60 Barcode & QR Code Scanner with Serial UART

ProMax BCR60 Bar code reader module is specifically designed to be used with microcontrollers. It can output scanned codes as ASCII Text through Serial UART. High performance and proven scanning hardware and algorithm, lets users work on their core project functionality rather than working on 1D & 2D code scanning features. Plug and play connection with microcontrollers.

The BCR60 is mainly used for Panel Mounting and is manufactured with Stainless Steel body . This makes it rugged and waterproof for outdoor and industrial applications. It also comes with Ring Illumination to indicate scanner status through multiple colors. It can recognize the following codes - QR Code, Data Matrix, PDF417, EAN13, UPC, Code 39, Code 93, and Code 128, UCC/EAN 128.

Features

- Operating & UART Communication Voltage: 3.3V DC
- Suitable for Panel mount applications
- Stainless steel waterproof construction
- UART Output for communication with External Controller
- Ring Illuminated indicates the Scanning Status
- **Serial UART** outputs scanned data as ASCII Text to a microcontroller
- Med resolution camera can scan code on multiple devices such as labels, paper, mobile phones or computers
- Ring Illumination for status indication
- Medium Precision Scanner upto 5mil

Applications

- Suitable for use in Vending Machines, Billing Counters, Thermal Label Printers, Industrial Applications, Access Control, etc
- Suitable for cutouts (Panel Mount) installations such as Industrial Applications
- Waterproof Stainless Steel Construction allows for outdoor applications
- Applications are suitable for projection type as it's built for wide Viewing Angle support.
- Low Power Consumption Applications
- Can be used in Events, Travel, and Movies, Advertising, Games related products
- Tracking food intake, Tracking products

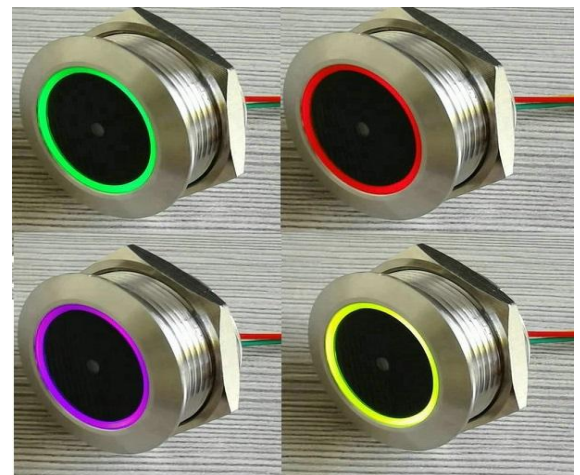


Table of Contents

Technical Specifications	2
Scanner Module Physical Dimension	4
Pinout and Interface definition	4

1. Technical Specifications


Terms	Typical Value
Supported Codes	1D : EAN13,EAN8,UPCA,UPCE0,UPCE1,Code128,Code39,Code93,Code Bar,Interleaved 2 of 5
	2D : QR code,Data Matrix, PDF417
Internal Camera Resolution	640*480
Interface	UART(TTL-232)
Accuracy of reading	≥5mil
Operating Voltage	3.3V
Operating Current	<70mA
Weight	25g
Size	External diameter: 28mm Internal diameter: 25mm Height: 15mm thread M25
Light	Multi Colour indicator/green light flashing prompt reading success
Scan Angle	Roll 360° Pitch 55° Yaw 55°
Viewing Angle	69°(Horizontal) 56°(Vertical)
Contrast	≥25%
Reading Distance	40 - 100mm
Operating Temperature	-20°C - 60°C
Storage Temperature	-40°C - 80°C
Temperature Humidity	5%-95%
Light Levels	0~100000LUX

2. Scanner Module Physical Dimension



3. Pinout and Interface definition

Connector: MX1.0mm,4Pin

Pin	Name	Description	Cable Pic
1	GND	Ground	
2	RXD	TTL Input	
3	TXD	TTL Output	
4	VCC	3.3V	

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