



BS-111

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Series

2D/1D Handheld Scanner

USB or RS232 interface

A 2D Handheld Scanner Richly Features Powerful Function for Your Business



1. Great Scanner for everyone, everyday

BS-111 handheld 2D/1D corded scanner built-in advanced optical module and decoding module to meet the new market requirements on the barcode scanning. BS-111 can scan most of 1D/2D barcode symbolologies on the PC, Mac(PC) or mobile phone with outstanding setting to meet your working environment.

2. Most popular 2D symbolologies and postal 2D included:

Besides the general 2D barcode symbolologies, BS-111 can discriminate and collect the data from PDF417, Micro PDF417, Datamatrix, Aztec code, Maxicode and even the single 2D post codes or combination 2D postal codes.

3. More operation modes to meet your applications

There are lots of operation modes you can use for BS-111 scanner for your business

- a. Manual trigger mode
- b. AIM mode
- c. Presentation mode and Centering (with Auto-sensor functions)
- d. Mobile phone/display mode
- e. Working orientation and Video Reverse.

4. Featuring signature decoding functions

BS-111 scanner offers powerful and professional decoding functions for high-end applications. The following are just some of them:

- a. Keyboard Styles, layouts , modifiers and conversion
- b. Beeper tone settings
- c. Data Formatter(Intercharacter, Interfunction and Intermessage Delays)

Ordering Information:

BS-111BU: Handheld corded 2D scanner, USB interface (HID and Virtual COM)

BS-111BR: Handheld corded 2D scanner, RS232 interface

Technical Specifications

Model	BS-111 (Handheld)
Optical	
Light Source	Aiming 617nm LED, Illumination 6500K LED
Resolution	752(H) x 480(V) pixels ; 256 levels (8 bits per pixel)
View of Field	Horizontal: 39.2° ; Vertical: 25.4°
Pitch	±60°(from front to back)
Skew	±60°(from plane parallel to symbol, side-to-side)
Roll	±180°
Ambient Light	100,000 Lux Max. (Sunlight)
Reading Performance	
Barcode Symbologies	<p>1D: EAN-8, EAN-13, UPC-A, UPC-A with Coupon Code, UPC-E0, UPC-E1, Code 39, Code 93, Codabar, Code 128, GS1-128, Code 32, Interleaved 2 of 5, Matrix 2 of 5, Straight 2 of 5 IATA(two-bar start/stop), Straight 2 of 5 Industrial (three-bar start/stop), Codablock A, Codablock F, GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, MSI, Telepen, Code 11</p> <p>2D: QR Code, PDF417, MicroPDF417, Data Matrix, Aztec Code, Han Xin Code, Maxicode, TCIF Linked Code 39 (TLC39)</p> <p>Postal Code Symbologies: Korea Post, China Post(Hong Kong 2 of 5) Australia Post, British Post , Canadian Post Intelligent Mail/USPS 4-State , Japanese Post KIX Post, Planet, Postnet, InfoMail</p>
Resolution	1D: Min. 3 mil(Code 39) ; 2D: Min. 5 mil (PDF 417)

Model	BS-111 (Handheld)
Depth of Field	<p>1D: 10.9cm (@ Code 39, 3mil) ; 33.6cm (@ Code 39, 10mil) 60.9cm (@ Code 39, 20mil)</p> <p>2D: 12.8cm (@ PDF 417, 5mil) ; 33.8cm (@PDF 417, 15mil)</p>
Scanning Speed	<p>1D: 120 scans per second in linear emulation</p> <p>2D: 60 images per second in 2D area mode</p>
Electrical	
Interface	RS232 or USB(HID & COM)
Connector	RJ45C 10 Pins
Voltage	DC +5V ± 5%
Operating Current	260mA
Standby Current	90mA
Indicator	Blue LED & Beeper
Environment	
Operation Temp	0°C to 50°C(32°F to 122°F)
Storage Temp	-20°C to 70°C(-4°F to 158°F)
Relative Humidity	20% to 95% (Non-condensing)
Physical	
Case Material	ABS + Rubber
Dimension	97 x 70 x 175 mm
Weight	120g (without cable and package)
Cable	1.8m coiled or straight Cable
Durability	
Drop test	59.05 inches (150cm) drop on concrete surface
Life time (MTBF)	50,000 hours



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