

BS-111

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2D/1D Handheld Scanner

USB or RS232 interface

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

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#### **Ordering Information:**

BS-111BU: Handheld corded 2D

scanner, USB interface (HID and Virtual COM)

BS-111BR: Handheld corded 2D scanner,

RS232 interface

## 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 symboligies on the PC, Mac(PC) or mobile phone with outstanding setting to meet your working environment.

#### 2. Most popular 2D symboligies and postal 2D included:

Besides the general 2D barcode symboligies, 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)

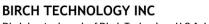


# **Technical Specifications**

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 Filed	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	1D: EAN-8, EAN-13, UPC-A, UPC-A with Coupon Code,	
Symbologies	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	
	<b>2D:</b> QR Code, PDF417, MicroPDF417, Data Matrix,	
	Aztec Code, Han Xin Code, Maxicode,	
	TCIF Linked Code 39 (TLC39)	
	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	
Resolution	<b>1D:</b> Min. 3 mil(Code 39); <b>2D:</b> Min. 5 mil (PDF 417)	

Model	BS-111 (Handheld)
Depth of Field	<b>1D:</b> 10.9cm (@ Code 39, 3mil);
	33.6cm (@ Code 39, 10mil)
	60.9cm (@ Code 39, 20mil)
	<b>2D:</b> 12.8cm (@ PDF 417, 5mil);
	33.8cm (@PDF 417, 15mil)
Scanning Speed	<b>1D:</b> 120 scans per second in linear emulation
	<b>2D:</b> 60 images per second in 2D area mode
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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