



Omni **BIRCH[®]**
» **Laser Solution**
BS-360 BS-370 series scanner

ADVANCED FUNCTIONS

Strong Scan Capability

The unique design of scan pattern provides high scan performance. Depth-of-Field available achieve to 30cm. Moreover with the built-in advanced decoder to support more advanced barcode symbologies in retailing market (such as RSS code, GS1 data bar family) and upgradeable firmware after purchase.

Multiple Connections

Interchangeable interface cable for PS2, RS232 and USB at distributor's side directly. USB connection supports both USB HID and USB virtual COM for the advanced use.

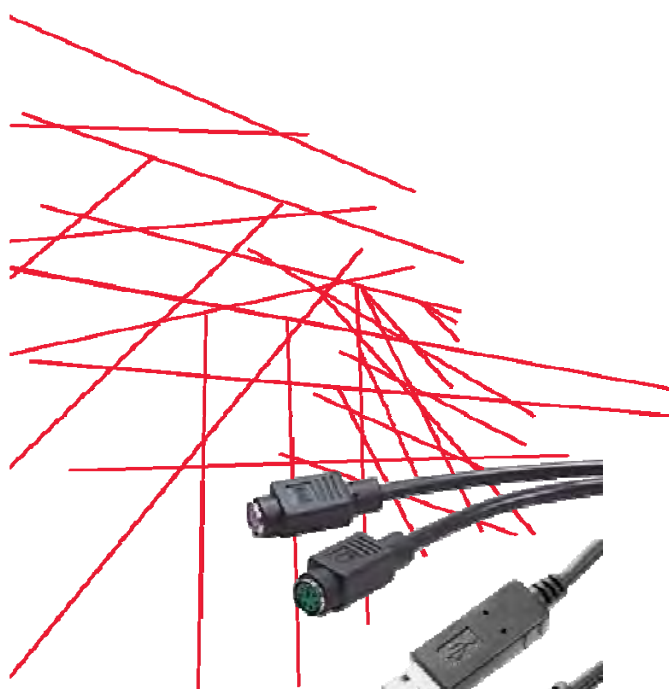
Compact Module Design

BS-360 is the one with compact cubic design. Tailored for the small and medium size retailer with limited space at a competitive price, it is also as finished module scanner with mounting holes on the rear for DIY Kiosk assembling market.

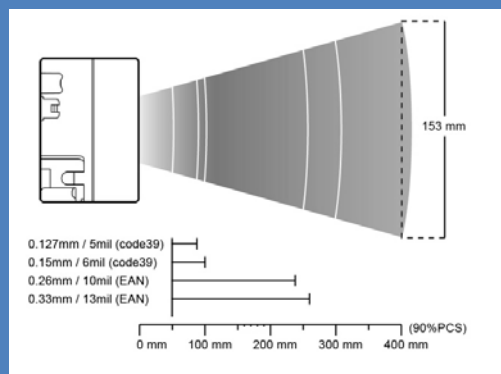
Large Screen Design and AUX function

BS-370 is the one with large scanning windows tailored for the medium to hyper transaction POS market. Built with the user's friendly design stand to fixed on the counter and manage the cables.

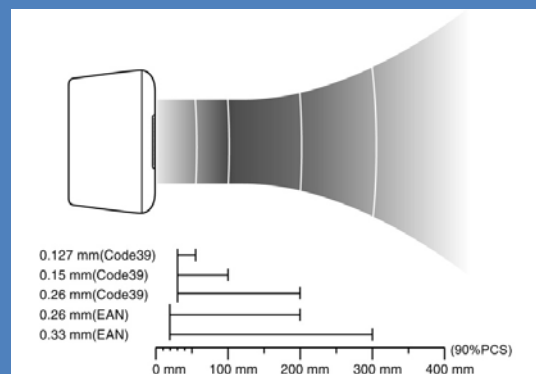
As the high performance scanner, it's built with AUX function to connect with handheld scanner.



BS-360 Scan Zone



BS-370 Scan Zone



MORE INFORMATION

PIN ASSIGNMENT

Connector: RJ48, 10 Pin			
Pin No.	RS232	KBW	USB
1	-	-	IFID
2	CTS	PC-Clock	-
3	RXD	PC-Data	-
4	TXD	KB-Data	-
5	RTS	KB-Clock	-
6	GND	GND	GND
7	-	PC – 5V	PC-5V
8	-	-	-
9	-	IFID: connect to “6”	DATA+
10	-	-	DATA-

PS2 interface cable

Mini DIN 6 MALE	
Pin No.	Function
1	HOST DATA
3	GND
4	Vcc (+5V)
5	HOST CLK
Mini DIN 6 FEMAL	
Pin No.	Function
1	KB DATA
3	GND
4	Vcc (+5V)
5	KB CLK

RS-232 interface cable

DB 9 Female	
Pin No.	Function
2	RXD
3	TXD
5	GND
7	RTS
8	CTS
9	Vcc (+5V)

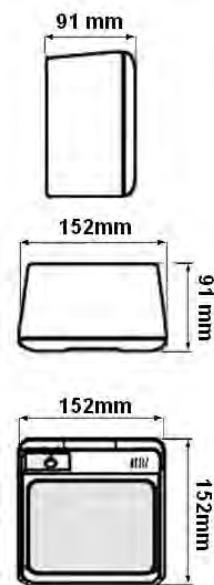
USB interface cable

USB Male	
Pin No.	Function
1	Vcc (+5V)
2	DATA-
3	DATA+
4	GND

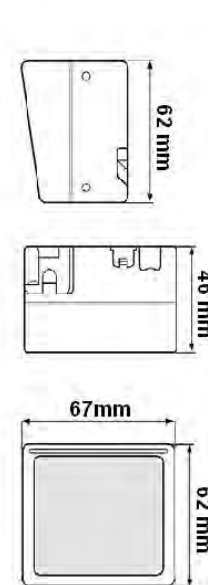
AUX Port for Handheld Scanner

RJ48, 10 Pin		
Pin No.	Description	
1	+5V DC	Output
2	CTS	Input
3	RXD	Input
4	(reserved)	-
5	RTS	Output
6	GND	-
7	(reserved)	-
8	(reserved)	-
9	(reserved)	-
10	(reserved)	-

BS-370



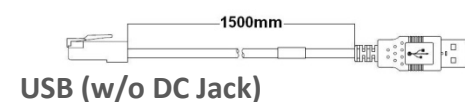
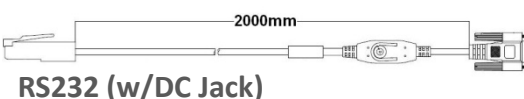
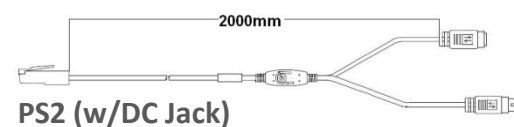
BS-360



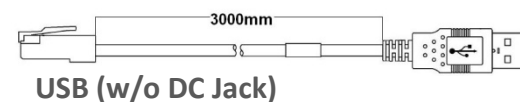
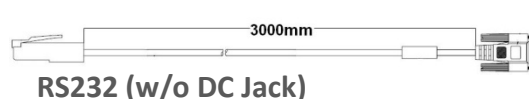
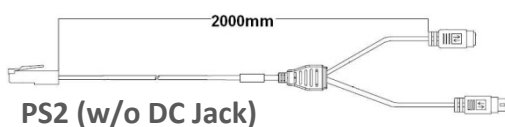
Power Adapter (for US, EU and UK)



Cable Drawing BS-360



BS-370



Ordering information:

BS-360M: Compact omni scanner, PS2, w/5V power adapter

BS-360R: Compact omni scanner, RS232, w/5V power adapter

BS-360U: Compact omni scanner, USB

BS-370M: Large omni scanner, PS2, w/12V power adapter

BS-370R: Large omni scanner, RS232, w/12V power adapter

BS-370U: Large omni scanner, USB, w/12V power adapter

Technical specification



Model Numbers	BS-370	BS-360
Optical		
Light Source	650 nm visible laser diode	650 nm visible laser diode
Scan Pattern	24 lines, 7 directions	24 lines, 6 directions
Scanning Speed	2,400 scans/sec	2,000 scans/sec
Depth of Field	300 mm @ 13mil PCS 90%	300 mm @ 13mil PCS 90%
Ambient Light	6,400 Lux Max. @ Direct sun light	4,800 Lux Max. @ Direct sun light
Reading Performance		
Symbologies	EAN/UPC A/ UPC E/JAN + Add-on, ISBN, ISSN, Code 128, EAN 128, Code 93, Code 39, Code 32, Codabar, Interleaved 2 of 5, MSI-Plessey, fully RSS, GS1 DataBar family (including Omnidirectional, Stacked Omnidirectional, Expanded, Expanded Stacked Truncated and Limited)	EAN/UPC A/ UPC E/JAN + Add-on, ISBN, ISSN, Code 128, EAN 128, Code 93, Code 39, Code 32, Codabar, Interleaved 2 of 5, MSI-Plessey, fully RSS, GS1 DataBar compliance (symbol 1-9)
Resolution	5mil @ 90% PCS	5mil @ 90% PCS
PCS	30% @ Code 39	30% @ EAN13
Electrical		
Interface	PS2, RS232, USB (HID and virtual COM)	
Connector	RJ-48, 10 pins	
Input Voltage	+12V DC	+5V DC
Operating Current	180mA	250mA
Cable Length	PS2 cable: 2M straight RS232/USB cable: 3M straight	PS2/ RS232 cable: 2M straight USB cable: 1.5M straight
Environment		
Operating Temp	0°C ~ 40°C at 5% to 95% Non-condensing	
Storage Temp	-20°C ~ 60°C at 5% to 95% Non-condensing	
Physical		
Material	ABS Plastic	ABS Plastic
Weight	450g (without stand)	130g (without stand)
Dimension	152 (L) x 152(W) x 91(H)mm	46 (L) x 62(W) x 67(H)mm
Mounting Hole	N/A	3-M3X0.5

Other related barcode scanner

BS-915II: Cost effective Laser scanner, 200mm DoF, PS2 or RS232 or USB, Black or Beige

BD-388II: Cost-effective linear imager scanner, 200mm DoF, PS2 or RS232 or USB, Black or Beige



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