



## Desktop Barcode Scanner BSD-FR4080

A global provider of complete POS hardware solutions, Star Micronics is proud to offer the BSD-FR4080 Desktop Barcode Scanner with power and durability built to last.

Equipped with a high-power CPU, this CPU-based scanner is capable of reading 1D as well as high-volume 2D barcodes on a screen covered with protective film.

Built for efficiency, the switch at the top of the scanner allows users to quickly toggle between normal mode and high-motion-tolerance mode.

The scanner's exceptional motion tolerance (2.5m/s) and large field of view (horizontal 51°, vertical 32°) further enhances the user experience.

The scanner's featured IR sensor enables speedy capture of barcodes, increasing throughput and productivity.

Durable and built to last, the scanner's IP52-rated design protects it from dust, water, and other contaminants. The scanner can also withstand multiple 1.2m drops to concrete (for six sides, one drop per side).

### Features:

- **Quick Switch Mode:** Effortlessly toggle between normal and high-motion-tolerance modes
- **Superior Motion Tolerance:** 2.5m/s motion tolerance and large field of view (horizontal 51°, vertical 32°)
- **On-Screen Capture:** Captures barcodes on screens covered with protective film
- **IR Trigger:** Speedy capture of barcodes, increasing productivity
- **IP52-Rated Design:** Protected from dust, water, and more
- **Drop Resistance:** Withstands up to 1.2m drops
- **Can Plug Directly into Star's mCollection Products (mC-Print2/3 & mPOP®)**

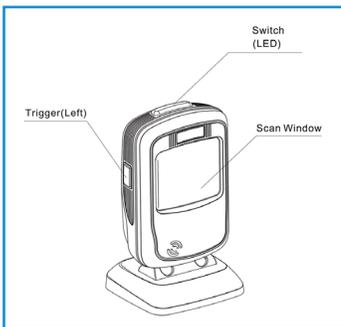
Perfect for any market, including retail, hospitality, online ordering, and more

### Part of Star's Full Line of POS Accessories

Star Micronics is proud to offer a complete range of POS hardware solutions, including a wide variety of POS accessories like scanners, customer displays, tablet stands and enclosures, and more.



# Desktop Barcode Scanner



## BSD-FR4080 Desktop Barcode Scanner Specifications

<b>Performance</b>	Image Sensor		1280×800 CMOS	
	Illumination		White LED	
	Symbologies	2D		PDF417, Data Matrix, QR Code, Micro QR Code, Aztec, etc.
		1D		EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.
	Resolution*		≥3mil	
	Typical Depth of Field*	EAN-13		10-210mm (13mil)
		QR Code		10-180mm (15mil)
	Motion Tolerance*			2.5m/s
	Scan Angle**			Pitch: ±50°, Roll: 360°, Skew: ±45°
	Field of View			Horizontal 51°, Vertical 32°
Min. Symbol Contrast			25%	
<b>Mechanical/ Electrical</b>	Interfaces		USB	
	Dimensions		83(W)×81(D)×148(H)mm	
	Weight		293g	
	Notification		Beep, LED indicator	
	Rated Power Consumption		1041mW (typical)	
	Operating Voltage		5VDC±5%	
	Current@5VDC (Operating)		219mA (typical)	
	<b>Environmental</b>	Operating Voltage		-20°C to 60°C (-4°F to 140°F)
Storage Temperature			-40°C to 70°C (-40°F to 158°F)	
Humidity			5%~95% (non-condensing)	
ESD			±14 KV (air discharge); ±8 KV (direct discharge)	
Drop			1.2m drops to concrete (for six sides, one drop per side)	
Sealing			IP52	
Certifications				FCC Part15 Class B, CE EMC Class B
<b>Accessories</b>	Cable	USB	Used to connect the scanner to a host device.	
		RS-232	Used to connect the scanner to a host device.	
	Power Adapter		DC5V power adapter to provide power for the scanner with RS-232 cable.	

Description	Part Number
Scanner, Desktop, 1D/2D Imager, USB Cable, Black, mC-Print and mPOP Compatible	37950440

\*Test conditions: T=23°C; Illumination=300lux using incandescent lamp;

\*\*Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.