



BSD-40U Premium Desktop Barcode Scanner

Star Micronics proudly presents the BSD-40U, a premium 2D desktop barcode scanner that embodies durability and efficiency. As a global leader in POS hardware solutions, this scanner is a testament to our commitment to quality and performance.

The BSD-40U has a high-powered CPU and a high-resolution image sensor, making it adept at reading 1D and 2D barcodes from various surfaces, including paper, uneven media, and digital screens. Its advanced technology extends to reading and parsing data from IDs and driver's licenses, making it versatile for diverse business needs.

With its exceptional motion tolerance and broad field of view, the BSD-40U enhances user experience and productivity. The integrated IR sensor ensures speedy barcode capture, facilitating increased throughput. The quick switch mode is a unique feature, allowing users to toggle between normal and high-motion-tolerance modes, adapting to different operational demands.

Durability is paramount in the BSD-40U's design. It features an IP52-rated construction, safeguarding it from dust and water, and it can withstand multiple 1.2m drops onto concrete. Available in smooth black or crisp white with Star branding, the scanner complements any POS setup.

The BSD-40U is universally compatible with iOS, Android, and Windows systems and seamlessly integrates with Star's mCollection® products. Its Star branding assures top quality, making it an ideal choice for businesses seeking a scanner that combines performance, versatility, and reliability in their POS solutions.

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°)
- **High-Performance CPU:** Can read and parse barcodes
- **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®)**
- **Star-Branded with Superior Quality**



Healthcare ready:

Our white scanners are washable with common household disinfectants without compromising the antimicrobial plastic housing.*



IP52

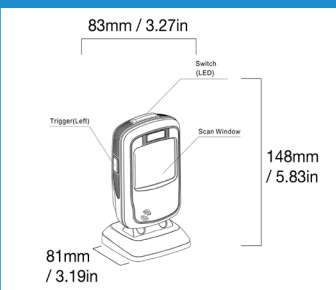


BSD-40U

BSD-40U Tilt 60 Degrees



Small counter footprint



Connects to PC/MAC



Connects to Star printer



BSD-40U Specifications

Type	Desktop Barcode Scanner
Sealing	IP52
Image Sensor	1280x800 CMOS
Color	Black or White
Resolution	≥3mil
Symbologies - 2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec, etc.
Symbologies - 1D	Code-11, Code-128, Code-39, GS1-128(UCC/EAN-128), AIM-128, ISBT-128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1Composite, EAN-8, EAN-13, ISBN/ISSN, Interleaved 2 of 5, Febraban, Matrix 2 of 5, Industrial 25, ITF-6, ITF-14, Standard 25, ChinaPost25, MSI-Plessey, Plessey, GS1Databar (RSS)
Connectivity/Interface	RS-232, USB
Dimensions Weight	83(W)×80(D)×147(H)mm 297g
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%
Drivers License Parsing	Can parse according to American Association of Motor Vehicle Administrators (AAMVA) October 2020 Specification.
Drop Resistance	1.2m drops to concrete (for six sides, one drop per side)
Warranty	2 Year

Description	Model	Part Number
Scanner, Desktop, 1D/2D Imager, USB Cable, Black, mC-Print and mPOP Compatible	BSD-40U BLK	37950900
Scanner, Desktop, 1D/2D Imager, USB Cable, White, mC-Print and mPOP Compatible	BSD-40U WHT	37950910

*1 - Antimicrobial properties are only present in white handheld scanners.

The active ingredient in nShield® 20532-Z50 is a broad-spectrum antibacterial agent with action against both Gram-positive and Gram-negative bacteria, as demonstrated in testing at independent laboratories using common industry standards such as JIS Z 2801 and ISO 22196. It contains inorganic antimicrobial ingredients with high-temperature stability. The active ingredient (LIFE DS/R-00-1A) in nShield® 20532-Z50 is registered for use as an antimicrobial with the US Environmental Protection Agency (EPA). nShield® is a registered product of Americhem Co., Ltd.