



## Wireless Handheld Barcode Scanner

### BSH-20B

A global provider of complete POS hardware solutions, Star Micronics is proud to offer the BSH-20B wireless 2D handheld barcode scanner with a stylish design, long battery life, and reliable wireless transmission.

Equipped with a high-powered CPU, this wireless scanner effortlessly captures high-density, high-volume, and distorted barcodes printed on paper, uneven media, or displayed onscreen.

Made to last, it features a 2200mAh battery, allowing up to 12 hours of continuous use. The included USB cable allows for convenient charging, as well.

With the latest Bluetooth 5.0 technology, the BSH-20B scanner effortlessly maintains a

reliable wireless connection to transmit data, with communication distances up to 50m. It can also connect to the host device via a USB dongle.

Durable inside and out, the scanner features an IP42-rated design and a drop-resistant (1.2m) housing with no moving parts.

The BSH-20B wireless scanner is ideal for purchase/sales/inventory management, ticket/voucher management, and office automation.

It's available in shiny black or crisp white and is Star-branded with the superior quality expected from a POS industry leader.

#### Features:

- **High-Performance:** Powerful CPU captures high-density, high-volume, and distorted barcodes on paper or screen
- **Long Battery Life:** 12 hours of continuous operation (one scan every six seconds)
- **Two Forms of Communication:** Connects directly to the host device via Bluetooth low energy (BLE) or can be wirelessly connected to a Star printer with the USB dongle provided
- **Durable Construction:** IP42-rated design, drop-resistant (1.2m)
- **Star-Branded with Superior Quality**
- **Scanner Stand Included**



#### Healthcare ready:

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



BSH-20B included with stand



BSH-20B



Connect to Star printer



Ergonomic handle



Washable antimicrobial housing



## BSH-20B Specifications

Type	Wireless Barcode Scanner
Sealing	IP42
Image Sensor	640 x 480 CMOS
Color	Black or White
Resolution	≥3mil
Symbologies - 2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec, etc.
Symbologies - 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.
Connectivity/Interface	RS-232, USB
Dimensions   Weight	83(W)×80(D)×148(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	1 Year

\*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.

Description	Model	Part Number
Scanner, Handheld, 1D/2D Imager, USB Cable, Black, Includes Stand, mC-Print and mPOP Compatible	BSH-20B BLK	37950940
Scanner, Handheld, 1D/2D Imager, USB Cable, White, Includes Stand, mC-Print and mPOP Compatible	BSH-20B WHT	37950950