



## Wireless Handheld Barcode Scanner

### BSH-HR2081BT

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

Equipped with a high-power CPU, this scanner effortlessly captures high-density, high-volume, and distorted barcodes printed on paper or displayed on screen.

Made to last, the scanner features a 2200mAh battery, allowing it to run for 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 wireless handheld scanner effortlessly maintains a reliable wireless connection to transmit data, with communication distances up to 50m.

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

Ideal for purchase/sales/inventory management, ticket/voucher management, and office automation.

#### 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)
- **Scanner Stand Included**

#### 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.



#### Healthcare ready:

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



# Wireless Handheld Barcode Scanner



Always Leading - Always Innovating

Ability to connect to a tablet through Bluetooth



BSH-HR2081BT with stand



Connect to Star printer



Connects to PC/MAC



Washable antimicrobial housing



## BSH-HR2081BT Specifications

<b>Performance</b>	<b>Image Sensor</b>		640X480 CMOS	
	<b>Illumination</b>		White LED	
	<b>Aiming</b>		Red LED (625nm)	
	<b>Symbologies</b>	<b>2D</b>		PDF417, MicroPDF417, QRCode, Data Matrix, Micro QR Code, Aztec
		<b>1D</b>		Code-11, Code-128, Code-39, GS1-128(UCC/EAN-128), AIM-128, ISBT-128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-8, EAN-13, ISBN/ISSN, Interleaved 2 of 5, Febraban, Matrix 2 of 5, Industrial 25, ITF-6, ITF-14, Standard 25, China Post 25, MSI-Plessey, Plessey, GS1 Databar(RSS)
		<b>OCR</b>		Passport OCR
	<b>Resolution</b>			≥3mil (Code 128)
	<b>Typical Depth of Field</b>	<b>EAN-13</b>		45mm-260mm (13mil)
		<b>Code 39</b>		45mm-115mm (5mil)
		<b>PDF 417</b>		50mm-120mm (6.67mil)
		<b>Data Matrix</b>		35mm-125mm (6.67mil)
		<b>QR Code</b>		30mm-170mm (15mil)
		<b>Scan Angle</b>		Pitch: ±60°, Roll: 360°, Skew: ±60°
	<b>Field of View</b>		Horizontal 42°, Vertical 28°	
	<b>Min. Symbol Contrast</b>		20%	
<b>Physical</b>	<b>Interfaces</b>		Bluetooth Low Energy (BLE) or standard Bluetooth USB dongle	
	<b>Dimensions (LxWxH)</b>		145x101x68mm	
	<b>Weight</b>		167g	
	<b>Notification</b>		Beep, LED indicator, Vibration	
<b>Environmental</b>	<b>Storage Temperature</b>		-40°C to 70°C (-40°F to 158°F)	
	<b>Charge Temperature</b>		0°C to 45°C (32°F to 113°F)	
	<b>Humidity</b>		5% ~ 95% (non-condensing)	
	<b>Drop</b>		1.2m	
	<b>Sealing</b>		IP42	
	<b>Disinfectant Ready*<sub>1</sub></b>		Washable with common household disinfectants without compromising the antimicrobial plastic housing (White models only)	
<b>Wireless</b>	<b>Communication Mode</b>		Synchronous mode, automatic and manual batch mode	
	<b>Radio Technology</b>		Bluetooth 5.0 and USB Dongle	
	<b>Communication Distance (direct line of sight in open air)</b>	<b>Bluetooth</b>		≤50m (150 ft)
	<b>Memory Capacity</b>			15000 pieces Code 128 (20 byte of each Code 128)
	<b>Battery</b>			2200 mAh lithium-ion battery
	<b>Expected Charge Time</b>			5.5 hours (with power adapter)
	<b>Expected Battery Life</b>			12 hours of continuous operation (scan once per 6 seconds)

\*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, Battery Powered, Bluetooth 5.0/BLE/USB Wireless Adapter, Black, Includes Stand, mC-Print and mPOP Compatible	BSH-HR2081BT	37950521
Scanner, Handheld, 1D/2D Imager, Battery Powered, Bluetooth 5.0/BLE/USB Wireless Adapter, Black, Includes Stand, mC-Print and mPOP Compatible	BSH-HR2081 WHT	37950541