star
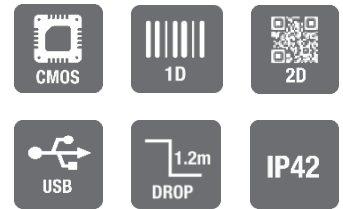*Always Leading - Always Innovating*

CMOS | 1D | 2D
USB | 1.2m DROP | IP42

Handheld Barcode Scanner
BSH-HR2081

A global provider of complete POS hardware solutions, Star Micronics is proud to offer the durable and high-performance 2D handheld barcode scanner.

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

With a design that unifies ergonomics with aesthetics, the scanner ensures the comfort and productivity of its operator and also meets modern-day aesthetic standards.

The 2D handheld barcode scanner provides a cost-effective data capturing solution that allows users to enjoy the capabilities of a 2D barcode scanner, for the price of a 1D scanner.

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

Features:

- **High-Performance**: Powerful CPU captures high-density, high-volume, and distorted barcodes on paper or screen

- **Stylish Design**: Sleek, modern aesthetic

- **Cost-Efficient**: 2D scanning capabilities for the price of a 1D scanner

- **Durable Construction**: IP42-rated design, drop-resistant (1.2m)

- **Can Plug Directly into Star's mCollection Products (mC-Print2/3 & mPOP®)**

- **Scanner Stand Included**

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.

Handheld Barcode Scanner

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HR2081 included with stand

HR2081

Good Read/Network LED
Scan Window
Label
Trigger

Connect to Star printer

Ergonomic handle

HR2081 Specifications

Performance	Image Sensor		640X480 CMOS
	Illumination		White LED
	Aiming		Red LED (625nm)
	Symbologies	2D	PDF417, Micro PDF417, Micro QR, QR Code, Data Matrix, Aztec.
		1D	Code 11, Code 128, Code 39, GSI-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, Matrix 2 of 5, Industrial 25, ITF6, ITF-14, Standard 25, China Post 25, MSI Plessey, Plessey, GSI Data bar (RSS).
	Resolution		≥3mil (Code 128)
	Typical Depth of Field	EAN-13	50mm-260mm (13mil)
		Code 39	50mm-115mm (5mil)
		PDF 417	50mm-120mm (6.7mil)
		Data Matrix	30mm-170mm (15mil)
		QR Code	10-180mm (15mil)
	Scan Angle		Pitch: ±55°, Roll: 360°, Skew: ±55°
	Field of View		Horizontal 45°, Vertical 34°
	Min. Symbol Contrast		20%
Physical	Interfaces		USB
	Dimensions (LxWxH)		145x101x68mm
	Weight		111g
	Notification		Beep, LED indicator
Environmental	Storage Temperature		-40°C to 70°C (-40°F to 158°F)
	Humidity		5% ~ 95% (non-condensing)
	Drop		1.2m
	Sealing		IP42
Certifications			FCC Partl 5 Class B, CE EMC Class B

Description	Model	Part Number
Scanner, Handheld, 1D/2D Imager, USB Cable, Black, Includes Stand, mC-Print and mPOP Compatible	BSH-HR2081	37950450
Scanner, Handheld, 1D/2D Imager, USB Cable, White, Includes Stand, mC-Print and mPOP Compatible	BSH-HR2081 WHT	37950530