



BS140AI

Wireless Scanner with Integrated AI

Intelligent Scanning with Integrated AI

The BS140AI is equipped with artificial intelligence that optimizes the scanning process. Thanks to its integrated presence sensor, it automatically detects the proximity of barcodes, adjusting its performance to accurately capture data, whether they are 1D or 2D codes. This system reduces errors and improves reading speed, making each scan faster and more efficient.

Exceptional Performance

Featuring a high-resolution 640x480 pixel CMOS sensor and 617nm LED light source, the BS140AI offers a reading accuracy of $\geq 4\text{mil}$ and can operate in light conditions up to 100,000 Lux. Its ability to store up to 20,000 barcodes in its 350KB internal memory ensures that you will never lose important data.

Versatile and Flexible Connectivity

This reader offers wireless connectivity via 2.4GHz with a range of 100 meters and Bluetooth with a range of 30 meters in open spaces. These options allow great mobility and freedom of movement, adapting to various operational needs.

Ergonomic Design and Long-Lasting Battery

Featuring an ergonomic and lightweight design, the BS140AI is easy to handle for long periods. Its 2000mAh battery provides up to 6 hours of continuous use, and recharges in just 4.5 hours on its charging base, ensuring it is always ready to operate.

BS140AI from Pos & Office: Artificial intelligence and connectivity for smarter and more efficient scanning.

BS140AI from Pos & Office: Smart and Efficient Scanning with Integrated AI

Take your scanning experience to the next level with the BS140AI from Pos & Office. This barcode reader combines advanced technology and the power of artificial intelligence to deliver superior performance in 1D and 2D data capture, providing a reliable and efficient solution for various commercial and industrial environments.

- 2.4Ghz + BT communication
- 2000mAh battery
- Memory for 20,000 barcodes



Technical Specifications

PERFORMANCE

Image sensor
CMOS
Memory
350KB (stores up to 20,000 barcodes)
Resolution
640x480 pixels
Light level
0 – 100,000 Lux
Light source
LED 617nm
Minimum print contrast
20%
Reading accuracy
≥4 thousand
Viewing angle
Rolling: ±360°
Skew: ±65°
Pitch: ±60°
Reading mode
Manual, continuous, automatic
Notifications
LED indicator, beep
Wireless communication distance
(open sky)
2.4GHZ: 100 meters
Bluetooth HID: 30 meters

DATA CAPTURE

1D
All major symbologies including
UPC/EAN/JAN, UPC-A & UPC-E, EAN-8
& EAN-13, JAN-8 & JAN-13, ISBN/ISSN,
Code 39 (with full ASCII), Codabar
(NW7), Code 128 & EAN 128, Code 93,
Interleaved 2 of 5 (ITF), Discrete 2 of 5,
Code 32, MSI, GS1 Databar
2D
All major symbologies, including QR
Code, Micro QR Code, Data Matrix,
PDF417, Micro PDF417, Aztec

ENERGY

Input voltage
5 VDC ± 10%
Running current
280mA (typical)
Battery
2000mAh
Charging mode
On charging base
Loading time
4.5 hours
Battery life
6 hours

PHYSICAL CHARACTERISTICS

Dimensions
Scanner: 91mm x 88mm x 145mm
Base: 95mm x 95mm x 20mm
Weight
Scanner: 263 grams
Base: 62 grams
Interfaces
USB
Material
ABS plastic
Color
Black

ENVIRONMENTAL

Operating temperature
-20° to 50°C
Storage temperature
-40° to 60°C
Humidity
5% to 95% (non-condensing)
Electrostatic protection
±8 kv (direct discharge)
Falls
1.5 meters
Protection against dust and water
ingress
IP54

