



HS3050 Series

Handheld 2D Code Reader

HS3050 series handheld two-dimensional barcode reader adopts high-performance reading components, providing good reading fluency, strong applicability for screen barcodes and stained barcodes reading. The product adopts IP54 protection level design, ensuring durable and reliable performance.

Product Features

■ Excellent reliability

IP54 protection level design with reliable performance

■ Good reading performance

Commonly used 1D and 2D barcodes are readable; Label barcodes and screen barcodes can be read smoothly

■ Universal communication interface

Support USB keyboard, USB simulated Serial port and RS232 communication

Industry Applications



Logistics



Test instrument



Product assembly



Product traceability

Technical Parameters

Physical Characteristics

Dimensions	160mmx 70mmx 107mm
Body Weight	133g

Electrical Characteristics

Power Supply	4.75-5.25 VDC
Operating Current	360 mA
Standby Current	140 mA

Environmental Parameters

Operating Temperature	-20°C - 60°
Storage Temperature	-30°C - 70°
Relative Humidity	5% to 95% (non-condensing)
IP Grade	IP54
Ambient Light	0 - 100000 lux
Shake Resistance	2000 G, 0.7 ms, 3 axis
Drop Resistance	1.55W
Housing Material	withstand 1.2 meters falling to the cement ground

Reading Performance

Image Type	Area image (640x480)
Illumination	Visible white light
Aiming light source	Visible red light
Motion Tolerance	100 cm/s
Viewing Angle	45° (Horizontal), 30° (Vertical)
Reading Symbolologies	Standard 1D codes, stack codes and 2D codes
Maximum Reading Accuracy	1D code: 3mil (0.076mm); 2D code: 5mil (0.127mm)

Reading Distance Data

Unit: (mm)

Code/Density	Typical range
3 mil Code 128 15 bit	35 mm - 100 mm
10 mil Code 128 15 bit	50 mm - 265 mm
10 mil Code 39 10 bit	70 mm - 275 mm
5 mil DM 15 bit	35 mm - 75 mm
15 mil DM 15 bit	25 mm - 225 mm
15 mil QR 15 bit	15 mm - 180 mm
20 mil QR 15 bit	20 mm - 230 mm



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NANJING BILIN INTELLIGENT IDENTIFICATION TECHNOLOGY CO., LTD.
www.infoscan-cn.com

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