

Zebra DS457

Omnidirectional Laser Scanner



SCANNERS

Standard Features

- High-speed omnidirectional scan pattern
- Rugged, durable housing
- Reads 1D and 2D symbols
- Supports 123Scan2 configuration tool
- Enables rapid and easy customized setup through a free, wizard-based PC software tool
- Scans any barcode on paper, mobile phones and computer displays

Specifications

Symbology Decode Capability:

1D - All major 1D bar codes
2D - PDF417, DataMatrix, QR Code, Aztec, Composite Codes and MaxiCode
Postal - US Postnet, US Planet, UK Postal, Australian Postal, Japan Postal

Dimensions:

(L × W × H)
2.44 × 2.30 × 1.15 in
(6.20 × 5.84 × 2.92 cm)

Weight:

3.9 oz (111 g)

Communications:

Interfaces supported: 9-pin male D-sub USB (full speed) and TTL level RS-232 with RTS and CTS

Performance Characteristics:

Sensor resolution: 752 (H) × 480 (V) gray scale
Imager field of view DS457 SR: 39.6° horizontal, 25.7° vertical
Aiming element: 655 ± 10 nm (VLD)
Illumination element: 625 ± 5 nm (LED)

Power Maximum:

5 VDC +/- 10% at 450 mA

Operating Temperature:

-4 °F to 122 °F (-20 °C to 50 °C*)
* Laser aimer disabled above 113 °F (45 °C)

Temperature Range:

Storage: -40 °F to 158 °F (-40 °C to 70 °C)
85% RH, non-condensing at 158 °F (70 °C)

Humidity:

95% RH, non-condensing at 122 °F (50 °C)

IP Rating:

IP54

Drop Resistance:

Withstands multiple 30 in (76 cm) drops to concrete

Image File Formats:

BMP, TIFF, JPG

Regulatory:

Electrical Safety ETL, VDE, CETL, EN60950, Ctick, VCCI
Laser Classification Intended for use in CDRH Class II/IEC 825 Class I devices
EMI/RFI FCC Part 15 Class B, ICES-003 Class B, CISPR22 Class B

Warranty:

Three-year limited
(against defects in workmanship and materials)

Part Number/Price

Part #	Description	Weight	Price
154077	Motorola DS457-SR (scanner 5 VDC ±10% at 450 mA requires power source)	4 oz (111 g)	Consult

Options/Accessories

Part #	Description	Price
97479	Cable assembly, DB9F to blunt end, can supply power from scale indicator DI/O	Consult