DS6707-DP Specifications

Text enhancement technology
Ensures legibility of text in scanned documents

6 ft./1.8m drop specification, tempered glass exit window
Designed to endure the rigors of everyday use for maximum reliability and uptimes; reduces downtime and TCO

Multiple on-board interfaces; universal cable compatible
Easy to install; future-proof — today's scanner can connect to tomorrow's host

Optional hands-free Intellistand
Enables presentation scanning and automatic switching between hands-free and handheld modes

Physical Characteristics

Dimensions:	6.55 in. H x 5.08 in. L x 2.82 W 16.6 cm H x 12.9 cm L x 7.1 cm W
Weight:	7.4 oz/209 g
Voltage and Current:	5 ±10%VDC @ 350 mA
Color:	Cash Register White

Performance Characteristics

Light Source:	Aiming: 650 nm laser diode Illumination: 630 nm LED
Field of View: (Vertical x Horizontal)	30° V x 40° H
Roll/Pitch/Yaw[1]:	360°/±65°/±60°

Symbology Decode Capability

1-D:	UPC/EAN and with supplementals, Code 39, Code 39 Full ASCII, Tri-optic Code 39, GS1DataBar (formerly RSS), Code 128, Code 128 Full ASCII, GS1-128 (formerly UCC/EAN-128), Code 93, Codabar (NW1), Interleaved 2 of 5, Discrete 2 of 5, MSI, Codell, IATA, Bookland EAN, Code 32
PDF417 (and Variants):	PDF417 and microPDF417
Postal:	U.S. Postnet and Planet, U.K., Japan, Australian, Dutch, 4 State Postal, Post US4
2-D:	MaxiCode, DataMatrix (ECC 200), QR Code, microQR, Aztec
DPM:	Data matrix marks applied by dot peening; laser etch, ink marks, chemical etch, inkjet mold, cast and thermal spray
Nominal Working Distance:	See decode zone
Print Contrast:	25% minimum reflectance
Motion Tolerances:	Horizontal velocity: 5 in. (12.7 cm) per second
Interfaces Supported:	USB and RS-232

Imaging Characteristics

Image (Pixels):	1.3 Megapixel: 1280 pixels H x 1024 pixels V
Graphics Format Support:	Images can be exported as Bitmap, Jpeg, and Tiff
Image Transfer Speed:	USB 1.1: Up to 12 Megabits/second RS232: Up to 115 kb baud rate
Image Transfer Time:	Typical USB application is ~ 0.2 seconds with a compressed Jpeg of 100 kb

User Environment

Operating Temp.:	32° to 122° F/0° to 50° C
Storage Temp.:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95%, non-condensing
Drop Specifications:	Withstands multiple 6 ft. (1.8m) drops to concrete
Ambient Light Immunity:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting

1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
Pitch: Controlled by dropping or raising the wrist
Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa

Regulatory

Electrical Safety:	UL6950-1, CSA C22.2 No. 60950-1, EN60950-1 / IEC60950-1
Laser Safety:	EN60825-1:1994 +A1: 2002 +A2 :2001, IEC60825-1, 21CFR1040.10 and 21CFR1040.11, CDRH Class II, IEC Class 2
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, CISPR 22, CISPR 24; Medical electrical equipment: EN60601-1-2: 2002
Environmental:	Compliant with RoHS directive 2002/95/EEC
Mounting Options (Accessories):	Intellistand with adjustable height: 5–10 in. (12.7–25.4 cm) and adjustable angle: 0°–90°; desktop and wall-mount holders are also available.
Power Supplies:	Power supplies are available for applications that don't supply power over the host cable.
Recommended Services:	Service from the Start Advance Exchange Support

Warranty

Subject to the terms of Motorola's hardware warranty statement, the Symbol DS6707-DP handheld scanner is warranted against defects in workmanship and materials for a period of five years from the date of shipment. For the complete Motorola hardware product warranty statement, go to: http://www.motorola.com/warranty

DS6707-DP Decode Zone

	Depth of Field	
Label Density	**DS6707-DP**	
Paper Label	**English**	**Metric**
Code 39 - 3 mil	Up to 1.21"	Up to 3.07 cm
Code 39 - 4 mil	Up to 1.83"	Up to 4.65 cm
Code 39 - 5 mil	Up to 1.96"	Up to 4.98 cm
Code 39 - 7.5 mil	Up to 2.96"	Up to 7.52 cm
Code 39 - 10 mil	Up to 3.50"	Up to 8.89 cm
Code 39 - 20 mil	Up to 6.21"	Up to 15.77 cm
100% UPC - 13 mil	Up to 3.59"	Up to 9.12 cm
PDF417 - 6.67 mil	Up to 1.59"	Up to 4.04 cm
PDF417 - 10 mil	Up to 2.21"	Up to 5.61 cm
PDF417 - 15 mil	0.92" - 3.05"	2.34 - 7.75 cm
Data Matrix - 4 mil	Up to 1.00"	Up to 2.54 cm
Data Matrix - 5 mil	Up to 1.29"	Up to 3.28 cm
Data Matrix - 7.5 mil	Up to 1.71"	Up to 4.34 cm
Data Matrix - 10 mil	Up to 2.13"	Up to 5.41 cm
QR Code - 4 mil	Up to 1.00"	Up to 2.54 cm
QR Code - 5 mil	Up to 1.25"	Up to 3.18 cm
QR Code - 7.5 mil	Up to 1.67"	Up to 4.24 cm
QR Code - 10 mil	Up to 2.00"	Up to 5.08 cm

* For more information, including decode zone pictorial, see the Product Reference Guide located in the Resources tab at www.motorola.com/ds6707dp.

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