DS6700 Series Specifications

PHYSICAL CHARACTERISTICS

Dimensions:	6.55 in. H x 4.72 in. L x 2.82 in. W 16.6 cm H x 11.9 cm L x 7.1 cm W
Weight:	6.4 oz. (182 g)
Voltage and Current:	5 +/-10%VDC @ 350 mA
Colour:	Cash Register White (shown) or Twilight Black

PERFORMANCE CHARACTERISTICS

Light Source:	Aiming: 650 nm laser diode Illumination: 630 nm LED
Field of View: (Vertical x Horizontal)	SR - Standard range: 34° V x 43° H DC - Document capture: 35° V x 44° H
Roll / Pitch / Yaw:	SR - Standard range: 360°, ±65°, ±60° DC - Document capture: 360°, ±65°, ±60°

SYMBOLOGY DECODE CAPABILITY

1-D:	UPC/EAN and with supplementals, Code 39, Code 39 Full ASCII, Tri-optic Code 39, RSS variants, UCC /EAN 128, Code 128, Code 128 Full ASCII, Code 93, Codabar (NW1), Interleaved 2 of 5, Discrete 2 of 5, MSI, Codell, IATA, Bookland EAN, Code 32
PDF417 (and Variants):	PDF417, microPDF417 and composite codes
Postal:	U.S. Postnet and Planet, U.K., Japan, Australian, and Dutch
2-D:	MaxiCode, DataMatrix (ECC 200), QR Code and Aztec
Print Contrast:	25% minimum reflectance
Motion Tolerances:	Horizontal velocity: 5 in. (12.7 cm) per second
Interfaces Supported:	**DS6707**: RS-232C (Standard, Nixdorf, ICL, and Fujitsu); USB (Standard, IBM SurePOS, Macintosh) **DS6708**: Includes above plus IBM 468x/469x, keyboard wedge and Synapse connectivity.

Note: National Drug Codes (NDC) can be encoded in various symbologies. The DS6708-DL can be programmed to parse these codes using Advanced Data Formatting (ADF) rules.

IMAGING CHARACTERISTICS (DS6707 ONLY)

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

USER ENVIRONMENT

Sealing:	IP41 (Water and Dust Resistant)
Operating Temperature:	32° to 122° F / 0° to 50° C
Storage Temperature:	-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.

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.

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the DS6707/8 handheld scanner products are warranted against defects in workmanship and materials for a period of five years from the date of shipment. For the complete Zebra hardware product warranty statement, go to: http://www.zebra.com/warranty

360° omni-directional scanning; wide working range, laser aiming pattern

Easy to use; no need to align item and scanner; virtually no training required

Optional hands-free Intellistand

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

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	rate
Image Transfer Time:	Typical USB application is ~ 0.2 seconds with a compressed Jpeg of 100 kb

Imaging Distance: (Vertical x Horizontal)

Document Sizes:	Minimum Distance (Approximate)
2 1/8 x 3 3/8 in. (5.4 x 8.6 cm) 4 x 6 in. (10.2 x 15.2 cm) 5 x 7 in. (12.7 x 17.8 cm) 8 x 11 in. (21.6 x 28 cm)	2.4 in. (6.1 cm) 5.7 in. (14.5 cm) 6.9 in. (17.5 cm) 11.9 in. (30.2 cm)

Ranges are from the nose of the scanner and are based on DC – Document Capture focus only.

*Note: Imaging characteristics only apply to the DS6707. The DS6708 does not support image transfer

SR - STANDARD RANGE FOCUS

		DEPTH OF FIELD
LABEL DENSITY	**DS6700**	
PAPER LABEL	**ENGLISH**	**METRIC**
5 mil (Code 39):	1.1 – 6.5 in.	2.8 – 16.5 cm
13 mil (100% UPC/EAN):	0.5 – 9.7 in.	1.3 – 24.6 cm
20 mil (Code 39):	0.5 – 15.2 in.	1.3 – 38.6 cm
PDF417 (10 Mil):	0.9 – 7 in.	2.3 – 17.8 cm
Datamatrix (10 Mil):	1.1 – 7.5 in.	2.8 – 19.1 cm

DC – DOCUMENT CAPTURE FOCUS

		DEPTH OF FIELD
LABEL DENSITY	**DS6700**	
PAPER LABEL	**ENGLISH**	**METRIC**
5 mil (Code 39):	2.5 – 10 in.	6.5 – 25.4 cm
13 mil (100% UPC/EAN):	0.8 – 16.8 in.	2 – 42.7 cm
20 mil (Code 39):	0.7 – 28.3 in.	1.8 – 71 cm
PDF417 (10 Mil):	1.9 – 11.8 in.	4.8 – 30 cm
Datamatrix (10 Mil):	2.6 – 12.2 in.	6.6 – 31 cm