

PRODUCT SPEC SHEET
Zebra DS6700 Series



Zebra DS6700 Series

Handheld digital imager scanner

Capture data and images with single multi-use device

The versatile DS6700 Series delivers the functionality of a 1-D and 2-D bar code scanner, digital camera and document scanner in a single device. Designed to meet a wide variety of business needs across a variety of industries, the DS6700 enhances employee productivity and streamlines business processes in retail, government, manufacturing and more by combining an onboard 1.3 megapixel camera with high performance scanning features and superior digital imaging technology.

Enhance employee productivity

The DS6700 Series delivers the accurate and rapid first time scanning of bar codes required to maximize employee productivity. Whether you need to read 1-D, 2-D or PDF417 bar codes, the DS6700 Series provides true point-and-shoot bar code capture — there is no need to orient products to the scanner window, and a viewfinder ensures the image is properly captured the first time. Users can dynamically switch between hands-free and handheld operation to quickly, easily and safely scan large items. And a pick list function expands usability from the front room to the back room, enabling rapid processing of orders and more.

Superior document clarity for record-keeping applications

Our text enhancement software delivers the document clarity required to streamline record-keeping, replacing paper-based files with electronic filing. From medication prescriptions to bills of lading, the high-resolution camera and text-enhancing software work hand-in-hand to ensure the visibility of text on documents captured, including very small print. As a result, critical business information is literally at your fingertips, helping to reduce administrative and regulatory compliance costs.

An outstanding return on investment

The DS6700 Series reduces capital and operating expenses by eliminating the need to purchase, manage and support additional devices — such as digital cameras and separate bar code scanners for different symbologies. Fewer devices to deploy significantly reduces the time and costs associated with training — and positively impacts productivity. The ability to remotely track, deploy and upgrade DS6700 Series scanners reduce typical management

FEATURES

1.3 Megapixel imaging

Provides resolution to support image capture and bar code scanning; provides flexibility to capture documents as large as 8.5 in. x 11 in./ 21.6cm x 27.9cm

Support for all major 1-D, PDF, postal and 2-D symbologies

Delivers application flexibility; eliminates need for multiple devices — and associated costs

RSM (Remote Scanner Management) Ready

Lowers IT expenses and TCO by enabling remote management from a central location

Text enhancement technology

Ensures legibility of

costs. And since even the most intelligent devices require a support plan, Zebra's Service from the Start Advance Exchange Support agreement provides next-business-day delivery of a replacement device for maximum uptime and true service peace of mind.

For more information on how the DS6700 series can give your enterprise a business advantage, visit www.zebra.com/ds6700 or access our global contact directory at www.zebra.com/contact

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
Color:	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°
SYMBOLGY 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,

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

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; futureproof — today's cradle can connect to tomorrow's host

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

U.K., Japan, Australian,
and Dutch

available for applications
that don't supply power
over the host cable.

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 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)	2.4 in. (6.1 cm)
4 x 6 in. (10.2 x 15.2 cm)	5.7 in. (14.5 cm)
5 x 7 in. (12.7 x 17.8 cm)	6.9 in. (17.5 cm)
8 x 11 in. (21.6 x 28 cm)	11.9 in. (30.2 cm)

Ranges are from the nose of the scanner

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>

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

LABEL DENSITY	DEPTH OF FIELD	
	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

LABEL DENSITY	DEPTH OF FIELD	
	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



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