



# ZEBRA DS6707-DP

## HANDHELD DPM DIGITAL IMAGER SCANNER

### CAPTURE 1-D AND 2-D BAR CODES, IMAGES AND THE MOST CHALLENGING DIRECT PART MARKS — WITH A SINGLE DEVICE

The Zebra DS6707-DP is a premier general purpose scanner, offering the maximum in data capture flexibility. The DS6707-DP is able to capture images and read virtually all 1-D and 2-D bar codes and direct part marks (DPM) — including the most challenging mark, dot peen. This highly versatile device is ideal in industries that depend on a wide variety of data types, such as healthcare, aerospace and automotive. With the DS6707-DP, workers can capture the right information at the right time, driving inefficiencies and errors out of business processes — improving accuracy as well as employee productivity.

### SETS A NEW BAR FOR DPM FUNCTIONALITY

Comprehensive patented features enable the capture of literally every type of direct part mark (DPM), regardless of size, surface, contrast or density — including dot peen as well as laser etch, ink mark, chemical etch, inkjet mold, cast and thermal spray. The high-resolution 1.3 megapixel image sensor is capable of capturing very tiny and very dense codes. Advanced illumination provides the multiple lighting effects required to capture marks on any type of surface. The built-in diffuser provides the indirect light required to capture marks printed on very shiny and reflective surfaces. The proprietary design of the diffuser also directs additional lighting to the edges of bar codes marked on a curved surface, enhancing the image for easier decoding. Finally, a glancing direct light mode provides the bright light required to successfully read low contrast bar codes marked on any type of surface, including challenging polished materials.

### EASY TO USE

The DS6707-DP is easy to use and requires virtually no training — regardless of whether your workers are capturing a standard bar code or a direct part mark. The omni-directional scan pattern allows marks to be presented at any angle. A viewfinder and aiming bulls-eye facilitates accurate point-and-shoot aiming for image capture. And the optional Intellistand provides the ability to dynamically switch between handheld and hands-free modes as needed, providing maximum application flexibility.

### RAPID RETURN ON INVESTMENT (ROI)

The rich functionality of the DS6707-DP significantly reduces capital and operational expenses. Enterprises can standardize on a single device for the capture of multiple data types — including challenging direct part marks and dirty or damaged bar codes. The technology infrastructure is simplified — there is no need to purchase, manage and support additional devices, such as separate bar code scanners for different symbologies and digital cameras. To help you protect your investment and maintain peak performance, Zebra offers Service from the Start Advance Exchange Support for the DS6707-DP. This multi-year agreement helps protect product uptime with next-business-day delivery of a replacement device. In addition, this service includes Zebra's unique comprehensive Coverage, which includes normal wear and tear as well as coverage for internal and external components damaged through accidental breakage at no additional charge — significantly reducing your unforeseen repair expenses.

### FEATURES

#### 1.3 Megapixel imaging (1280 x 1024)

High resolution image sensor for robust image capture and bar code scanning; captures 1-D bar codes down to 3 mil density and 2-D bar codes down to 2mm x 2mm and as dense as 4 mils

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

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

#### Omni-directional scan pattern

Eliminates the need to align bar code and scanner

#### Integrated advanced illumination system

Multiple lighting modes and an integrated diffuser enable the capture of direct part marks on literally any surface, including reflective, irregular and curves; enables capture of low and high contrast marks

#### RSM (Remote Scanner Management) Ready

Reduces total cost of ownership by enabling remote, network-based device management

#### Integrated viewfinder, 360° omni-directional scanning; laser “bullseye” aiming pattern

Facilitates accurate, first time DPM and bar code capture

For more information on how the DS6707-DP can benefit your business, please visit us on the web at [www.zebra.com/ds6707dp](http://www.zebra.com/ds6707dp) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

**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 handsfree and handheld modes

## SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		IMAGING 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	Image (Pixels)	1.3 Megapixel: 1280 pixels H x 1024 pixels V
Weight	7.4 oz/209 g	Graphics Format Support	Images can be exported as Bitmap, Jpeg, and Tiff
Power	5 ±10%VDC @ 350 mA	Image Transfer Speed	USB 1.1: Up to 12 Megabits/second RS232: Up to 115 kb baud rate
Color	Cash Register White	Image Transfer Time	Typical USB application is ~ 0.2 seconds with a compressed Jpeg of 100 kb
PERFORMANCE CHARACTERISTICS		USER ENVIRONMENT	
Light Source	Aiming: 650 nm laser diode Illumination: 630 nm LED	Operating Temp.	32° to 122° F/0° to 50° C
Field of View (Vertical x Horizontal)	30° V x 40° H	Storage Temp.	-40° to 158° F/-40° to 70° C
Roll	0 - 360°	Humidity	5% to 95%, non-condensing
Pitch	± 65° or greater	Drop Spec	Withstands multiple 6 ft. (1.8m) drops to concrete
Yaw	± 60° or greater	Ambient Light Immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting
SYMBOLOLOGY DECODE CAPABILITY		REGULATORY	
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	Electrical Safety	UL6950-1, CSA C22.2 No. 60950-1, EN60950-1 / IEC60950-1
PDF417 (and Variants)	PDF417 and microPDF417	Laser Safety	EN60825-1:1994 +A1: 2002 +A2 : 2001, IEC60825-1, 21CFR1040.10 and 21CFR1040.11, CDRH Class II, IEC Class 2
Postal	U.S. Postnet and Planet, U.K., Japan, Australian, Dutch, 4 State Postal, Post US4	EMI/RFI	FCC Part 15 Class B, ICES-003 Class B, CISPR 22, CISPR 24; Medical electrical equipment: EN60601-1-2: 2002
2-D	MaxiCode, DataMatrix (ECC 200), QR Code, microQR, Aztec	Environmental	Compliant with RoHS directive 2002/95/EECC
DPM	Data matrix marks applied by dot peening; laser etch, ink marks, chemical etch, inkjet mold, cast and thermal spray	Mounting Options (Accessories)	Intellistand with adjustable height: 5–10 in. (12.7–25.4 cm) and adjustable
Nominal Working Distance	See decode zone		
Print Contrast	25% minimum reflectance		

<b>Motion Tolerances</b>	Horizontal velocity: 5 in. (12.7 cm) per second	angle: 0°–90°; desktop and wall-mount holders are also available.
<b>Interfaces Supported</b>	USB and RS-232	
		<b>Power Supplies</b> Power supplies are available for applications that don't supply power over the host cable.

**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

## WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the 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 Zebra hardware product warranty statement, go to: <http://www.zebra.com/warranty>

## RECOMMENDED SERVICES

**Support Services** Service from the Start Advance Exchange Support

## DECODE RANGES

LABEL DENSITY	DEPTH OF FIELD	
	English	Metric
	<b>DS6707-DP</b>	
<b>Paper Label</b>	<b>English</b>	<b>Metric</b>
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.zebra.com/ds6707dp](http://www.zebra.com/ds6707dp).



**ZEBRA**

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