ZEBRA DS6707-HD

HANDHELD DIGITAL IMAGER SCANNER

VERSATILE SCANNER BRINGS AFFORDABLE HIGH DENSITY BAR CODE SCANNING TO ELECTRONIC COMPONENT ASSEMBLY

The affordable Zebra DS6707-HD brings a new level of efficiency to electronic component manufacturing by enabling the automated capture of virtually every type of bar code utilized in electronics manufacturing. The DS6707-HD supports the complete set of high density marks common in electronics manufacturing environments, including laser etched, ink marked, chemical etched and inkjet bar codes. Tuned to address the unique challenges in electronics component assembly, the DS6707-HD scanner is optimized to accurately capture high density and low contrast marks , including black bar codes on white backgrounds; white bar codes on black backgrounds; and etched bar codes with a very low contrast tone-on-tone effect — where there is very little difference in colour between the mark and the background material on which it is printed.

ADD BAR CODE SCANNING AND IMAGING FOR COMPREHENSIVE DATA CAPTURE CAPABILITIES IN A SINGLE DEVICE

In addition to direct part marks, the versatile DS6707-HD offers support for 1D and 2D bar codes, enabling workers to scan bar codes that are printed directly on the electronic assembly as well as paper labels — with just one device. In addition, workers can easily document damaged components or assemblies in seconds with the integrated high resolution 1.3 megapixel image sensor.

EASY TO USE

The easy-to-use device requires virtually no training — regardless of whether your workers are decoding a bar code or capturing an image. The omni-directional scan pattern allows marks to be presented at any angle. A viewfinder provides true first-time 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 DS6707-HD 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 digital cameras and separate bar code scanners for different symbologies.

To help you protect your investment and maintain peak performance, Zebra offers Service from the Start Advance Exchange Support for the Zebra DS6707-HD. This multi-year agreement helps protect product uptime with nextbusiness- 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.

1.3 Megapixel imaging (1280 x 1024)

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

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

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

RSM (Remote Scanner Management) Ready

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

Integrated viewfinder

Enables first time accurate aiming for image capture

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 Integrated viewfinder,

For more information on how the DS6707-HD can benefit your business, please visit us on the web at **www.zebra.com/ds6707hd**or access our global contact directory at **www.zebra.com/contact**

SPECIFICATIONS CHART

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	6.4 oz./182 g
Power	5 ±10%VDC @ 350 mA
Colour	Cash Register White or Twilight Black

SYMBOLOGY DECODE CAPABILITY

1D	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
2D	MaxiCode, DataMatrix (ECC 200), QR Code, microQR, Aztec
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

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-condensi
Drop Spec	Withstands multiple 6 ft. (1.8m) drops to concrete
Ambient Light Immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight

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	0 - 360°
Pitch	± 65° or greater
Yaw[1]	± 60° or greater

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

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/EECC
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

	) lighting	power over the host cable.

Approved Cleansers:	Super Sani-Cloth® Wipes; Clorox® Bleach Windex® Antimicrobial; Windex® with Ammonia D; Virex® 5 Wipes; Dispatch®; Ethanol 80%; Gentle dish soap and water

WARRANTY

RECOMMENDED SERVICES

Support Services	Service from the Start Advance Exchange Support

[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

DECODE RANGES

	Depth of Field	
Label Density	DS6707-HD	
Paper Label	English	Metric
Code 39 - 3 mil	0.84" - 2.42"	U2.13 - 6.15 cm
Code 39 - 4 mil	0.42" - 3.13"	1.07 - 7.95 cm
Code 39 - 5 mil	0.29" - 3.38"	0.74 - 8.59 cm
Code 39 - 7.5 mil	Up to 4.38"	Up to 11.13 cm
Code 39 - 10 mil	0.59" - 4.96"	1.50 - 12.60 cm
Code 39 - 20 mil	0.42" - 8.21"	1.07 - 20.85 cm
100% UPC - 13 mil	0.21" - 5.13"	0.53 - 13.03 cm
PDF417 - 6.67 mil	0.63" - 3.10"	1.60 - 7.87 cm
PDF417 - 10 mil	0.46" - 3.54"	1.17 - 9.00 cm
PDF417 - 15 mil	1.33" - 4.46"	3.38 - 11.33 cm
Data Matrix - 4 mil	1.04" - 2.13"	2.64 - 5.41 cm
Data Matrix - 5 mil	0.79" - 2.50"	2.01 - 6.35 cm
Data Matrix - 7.5 mil	0.50" - 3.00"	1.27 - 7.62 cm
Data Matrix - 10 mil	0.54" - 3.50"	1.37 - 8.89 cm
QR Code - 4 mil	1.13" - 2.17"	2.87 - 5.51 cm
QR Code - 5 mil	0.88" - 2.54"	2.24 - 6.45 cm
QR Code - 7.5 mil	0.67" - 3.00"	1.70 - 7.62 cm
QR Code - 10 mil	0.46" - 3.42"	1.17 - 8.69 cm

* For more information, including decode zone pictorial, see the Product Reference Guide located in the Resources tab at **www.zebra.com/ds6707hd**.

ZEBRA TECHNOLOGIES