



L: 11.9 cm; W: 7.1 cm; H: 16.6 cm

Features & Benefits:

- 1.3 Megapixel Imaging (1280x1024) High Resolution Captures 1D to 3 mil Density and 2D to 2 mm x 2 mm and 4 mils Density
- Support for 1D, PDF, Postal and 2D Symbolologies
- Remote Scanner Management Ready for Network-Based Device Management
- Integrated Viewfinder for Accurate Aiming
- 1.8m Drop Specification, Tempered Glass Window for Maximum Reliability
- Multiple On-Board Interfaces and Universal Cable Compatible

Versatile, 1.3 Megapixel Handheld, 2D Imager

DS6707-HD brings high-density barcode scanning efficiency to electronic component manufacturing by enabling the automated capture of virtually every type of barcode. DS6707-HD supports the complete set of high density marks common in electronics manufacturing environments, including laser etched, ink marked, chemical etched and inkjet barcodes.

Tuned to address the unique challenges in electronics component assembly, DS6707-HD scanner is optimized to accurately capture high density and low contrast marks, including black barcodes on white backgrounds; white barcodes on black backgrounds; and etched barcodes with a very low contrast tone-on-tone effect — where there is very little difference in color between the mark and the background material on which it is printed.

DS6707-HD supports both 1D and 2D barcodes, enabling scanning on the electronic assembly and on paper labels with a single device. Workers can document damaged components or assemblies in seconds with the integrated high resolution 1.3 megapixel image sensor.

Easy to use, 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. The optional intellistand provides the ability to switch between handheld and hands-free mode.

Applications:

- Light Industrial
- Electronics Manufacturing



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DS6707-HD

Performance	
Light Source	Aiming: 650 nm laser diode; Illumination: 630 nm LED
Field of View	30° V x 40°H
Roll (Tilt) /Pitch/ Skew (Yaw)	360° / +/-65° / +/-60°
Image (Pixels)	1.3 Megapixel; 1280 pixels H x 1024 pixels V
Graphics Format Support	Images can be exported as bitmap, jpeg, or 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 .2 seconds with compressed jpeg of 100 kB
Mechanical/Electrical	
Dimensions	16.6 cm H x 11.9 cm L x 7.1 cm W (6.55 in. x 4.72 in. x 2.82 in.)
Weight	182 grams (6.4 oz.)
Voltage & Current	5 +/-10% VDC @ 350mA
Color	Cash Register White or Twilight Black
Environmental	
Operating Temperature	0° to 50°C (32° F to 122° F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% noncondensing
Drop Specifications	Designed to withstand multiple drops to concrete from 1.8m
Environmental Sealing	IP41 (Water and Dust Resistant)
Ambient Light Immunity	Normal artificial indoor and nature outdoor (direct sunlight)
Approved Cleansers	Super Sani-Cloth Wipes, Clorox Bleach Windex Antimicrobial; Windex with Ammonia D; Virex 5 Wipes; Dispatch, Ethanol 80%; Gentle Dish soap & water
Symbology Decode Capability	
1D	UPC/EAN and with supplementals, Code 39, Code 39 Full ASCII, Tri-optic Code 39, GS1DataBar, Code 128, Code 128 Full ASCII, GS1-128, 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, PostUS4
2D	MaxiCode, DataMatrix (ECC 200), QR Code, microQR, Aztec
Print Contrast	25% minimum reflectance
Motion Tolerance	Horizontal velocity: 12.7 cm per second (5 in.)
Interfaces Supported	USB and RS-232
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
EM/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

DS6707-HD

Mounting Options (Accessories)	Intellistand with adjustable height: 5010in. (12.7-25.4 cm) and adjustable angle: 0°-90°, desktop and wall mount holders also available
Power Supplies	Available for applications that don't supply power over the host cable
Recommended Services	From the Start Advance Exchange Support
Warranty	Subject to terms of hardware warranty statement, against defects in workmanship and materials for period of 5 years form date of shipment
Decode Zone	
Paper Label Density	English / Metric
Code 39 – 3 mil	.84" – 2.24" / 2.13 – 6.15 cm
Code 39 – 4 mil	.42" – 3.13" / 1.07 – 7.95 cm
Code 39 – 5 mil	.29" – 3.38" / .74 0 8.59 cm
Code 39 – 7.5 mil	Up to 4.38: / up to 11.13 cm
Code 39 – 10 mil	.59" – 4.96" / 1.5 – 12.6 cm
Code 39 – 20 mil	.42" – 8.21" / 1.07 – 20.85 cm
100% UPC – 13 mil	.21" – 5.13" / .53 – 13.03 cm
PDF 417 – 6.67 mil	.63" – 3.1" / 1.6 – 7.87 cm
PDF 417 – 10 mil	.46" – 3.54" / 1.17 – 9.0 cm
PDF 417 – 15 mil	1.33 – 4.46" / 3.38 – 11.33 cm
DataMatrix – 4 mil	1.04" – 2.13" / 2.64 – 5.41 cm
DataMatrix – 5 mil	.79" – 2.5" / 2.01 – 6.35 cm
DataMatrix – 7.5 mil	.5" – 3.0" / 1.27 – 7.62 cm
DataMatrix – 10 mil	.54" – 3.5" / 1.37 – 8.89 cm
QR Code – 4 mil	1.13" – 2.17" / 2.87 – 5.51 cm
QR Code – 5 mil	.88" – 2.54" / 2.24 – 6.45 cm
QR Code – 7.5 mil	.67" – 3.0" / 1.7 – 7.62 cm
QR Code – 10 mil	.46" – 3.42" / 1.17 – 8.69 cm

ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered. Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

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