# Symbol DS6700 Series

## Handheld digital imager scanner

### Capture data and images with single multi-use device

The versatile Symbol DS6700 Series from Motorola delivers the functionality of a 1D and 2D 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 Symbol 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 Symbol DS6700 Series delivers the accurate and rapid first time scanning of bar codes required to maximize employee productivity. Whether you need to read 1D, 2D or PDF417 bar codes, the Symbol 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 Symbol 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 Symbol DS6700 Series scanners reduces

**Multiple on-board interfaces; universal cable compatible**
Easy to install; future-proof — 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

typical management costs. And since even the most intelligent devices require a support plan, Motorola'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 Symbol DS6700 series can give your enterprise a business advantage, visit www.motorola.com/ds6700 or access our global contact directory at www.motorola.com/enterprisemobility/contactus

# Symbol DS6700 Series Specifications

## Physical Characteristics

| | |
|---|---|
| Dimensions: | 6.55 in. H x 4.72 in. L x 2.82 in. W<br>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<br>Illumination: 630 nm LED |
| Field of View:<br>(Vertical x Horizontal) | SR - Standard range: 34° V x 43° H<br>DC - Document capture: 35° V x 44° H |
| Roll / Pitch / Yaw: | SR - Standard range: 360°, ±65°, ±60°<br>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, CodeII, 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) and Synapse connectivity allows for connectivity to all of the above plus many non-standard interfaces.<br>DS6708: Includes above plus IBM 468x/469x and keyboard wedge |

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<br>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:<br>(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 and are based on DC – Document Capture focus only. | |

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

## 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°<br>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 Motorola's hardware warranty statement, the Symbol 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 Motorola hardware product warranty statement, go to: http://www.motorola.com/enterprisemobility/warranty

### 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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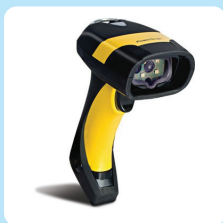
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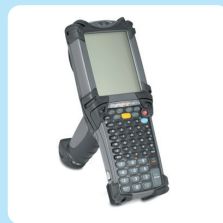elo

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