ZEBRA

SYMBOL DS6878-HC

CORDLESS 2-D IMAGER FOR HEALTHCARE APPLICATIONS

PREVENT MEDICAL ERRORS, IMPROVE PATIENT SAFETY AND INCREASE CAREGIVER PRODUCTIVITY

The DS6878-HC cordless imager enables hospitals to automate data capture, improve data accuracy, increase productivity and streamline everyday processes in patient rooms, laboratories and the pharmacy. Its matchless feature set meets the unique requirements of healthcare facilities. An intuitive and ergonomic design combines with dependable and rapid capture of bar codes and other images, allowing caregivers to remain focused on the patient ' not the technology. The DS6878-HC is easy to install virtually anywhere inside the hospital environment ' the flexible base options enable easy mounting horizontally or vertically on walls, cabinets and workstations. Cordless freedom via Bluetooth allows users to easily move to the bar code, eliminating the hazards associated with cables as well as the need to disturb or inconvenience patients, while offering the flexibility required for rapid data capture in emergency situations. When paired with the standard charging cradle, the DS6878-HC offers the ability to charge the scanner over the USB cable, eliminating the need for a separate power supply and reducing the management headaches associated with mounting a cordless scanner to a computer or workstation on wheels (COW or WOW).

COMPREHENSIVE HIGH-PERFORMANCE DATA CAPTURE FOR A WORLD OF HEALTHCARE APPLICATIONS

The ability to capture any 1-D or 2-D bar code as well as signatures, documents and still photographs enables this single device to error-proof and simplify many processes throughout your facility ' from medication administration to specimen collection, admitting and inventory and dietary management. Built on Zebra's revolutionary SE4500 scan engine, the DS6878-HC re-defines imaging technology, offering easy first-time capture of any type of data through: laser-like performance on 1-D and 2-D bar codes; an intuitive aiming pattern; scanning in any type of lighting; the ability to capture even poor quality and damaged bar codes; and full omnidirectional scanning, eliminating the need to precisely align bar code and imager.

DISINFECTANT-READY DESIGN PREVENTS THE SPREAD OF GERMS

The DS6878-HC is designed specifically to help protect patients and caregivers against dangerous and deadly illnesses. IP43 sealing and specially selected plastics that utilize proprietary molding technologies create a hygienic design that allows safe wipe-downs and sanitizing with bleach, alcohol, soap and water and more ' without harming the housing or the sensitive scanning components.

BUILT FOR ALL-DAY EVERYDAY USE

The DS6878-HC offers Zebra's best-in-class drop specification ' 6 ft./1.8 m drops to concrete. IP43 sealing protects sensitive electronic components from exposure to dust and liquids. The result is dependable operation, despite the inevitable everyday drops, bumps and spills.

PROTECT YOUR DATA WITH GOVERNMENT GRADE SECURITY

Native FIPS 140-2 Level 1 certification (optional) brings government grade security to healthcare organizations, providing easy and cost-effective compliance with HIPAA, PCI and other industry security regulations.

THE ZEBRA END-TO-END ADVANTAGE

FEATURES

Designed for deployment on a computer or workstation on wheels (COW or WOW)

USB charging capability eliminates a power supply and the typical cable management headaches normally associated with mounting a cordless scanner to a medical cart, computer cart or workstation (COW or WOW); horizontal or vertical installation provides the flexibility to keep the work surface clear while ensuring that the scanner is always in easy reach and charging

Disinfectant-ready

IP43 sealing and a specially designed plastic housing allows safe wipe-down and cleansing with a wide variety of harsh chemicals (See Specification Chart for approved cleanser list)

Comprehensive advanced data capture

Captures 1-D and 2-D bar codes; optional hands-free presentation cradle enables signature and document capture, OCR to capture printed text and MICR for automated capture of check-related data and conversion of check-based transactions to electronic paperless debit transactions; supports creation of electronic medical records (EMRs); eliminates the need to purchase multiple devices

Lightweight ergonomic design

Easy to hold regardless of hand size; reduces fatigue;

When you choose Zebra, you get the end-to-end support required to ensure maximum uptime in the mission critical environment of healthcare, as well as a low total cost of ownership (TCO). The ability to remotely manage the Remote Scanner Management (RSM)-ready device from a central location substantially reduces the time and costs typically associated with the management of mobile devices. In addition, Zebra's Service from the Start Advance Exchange Support helps keep your DS6878-HC scanners up and running at peak performance ' and in the hands of your caregivers. This exceptional service minimizes downtime with next-business-day replacement of devices that require repair. Your scanners will also be protected from the unexpected with built-in Comprehensive Coverage, which includes normal wear and tear as well as coverage for internal and external components damaged through accidental breakage ' significantly reducing unforeseen repair expenses.

For more information on the DS6878-HC cordless 2-D imager, visit our global contact directory at **www.zebra.com/ds6878hc** or access our global contact directory at **www.zebra.com/contact**.

SOFTWARE STATEMENT

The DS6878-HC is compatible with Bedside Meds Administration software provided by the following vendors (partial list):

- Cerner
- Epic
- Siemens
- Eclipsys
- Meditech

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS

Dimensions	*Scanner:* 7.3 in. H x 3.85 in. L x 2.7 in. W/ 18.5 cm H x 9.7 cm L x 6.9 cm W *Base-mounted vertically:* 8.35 in. H x 3.4 in. W x 2 in. D/ 21.1 cm H x 8.6 cm W x 5 cm D *Base-mounted horizontally:* 2.0 in. H x 8.35 in. L x 3.4 in. W/ 5 cm H x 21.1 cm L x 8.6 cm W
Weight	Scanner: 8.4 oz./238 g (typical) CR0078-S Base: 6.4 oz./183 g (typical)
Voltage and Current (CR0078 Base)	Voltage: 5 +/-10% VDC Typical Current Charging/Non Charging: 700 mA/260 mA with external power Voltage: 5 +/-10% VDC Typical Current Charging/Non Charging: 490 mA/260 mA with host power through cable
Color	Healthcare White (shown)

PERFORMANCE CHARACTERISTICS

Light Source	Aiming Pattern: 655 +/- 10 nm laser diode

IMAGING CHARACTERISTICS

Graphics Format Support	Images can be exported as Bitmap, JPEG, and TIFF (requires the hands-free presentation cradle)
Image Quality	120 DPI on a 4 in. x 6 in. (10.2 x 15.2 cm) document @ 6.5 in./16.5 cm

USER ENVIRONMENT

Sealing	IP43 (water and dust resistant)
Operating Temperature	32° F to 122° F/0° C to 50° C
Storage Temperature	-40° F to 158° F/-40° C to 70° C
Drop Specifications	Withstands multiple 6 ft./1.8 m drops to concrete
Ambient Light Immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting
Approved Cleansing Agents	Isopropyl alcohol, bleach/sodium hypochlorite, hydrogen peroxide, gentle dish soap and water
Approved Brand-name	Super Sani-Cloth® Wipes; Clorox® Bleach; Windex® Antimicrobial;

enables all day scanning comfort to protect productivity in scan-intensive applications

Superior durability

Offers Zebra's best in-class drop specification ' the ability to survive 6 ft./1.8 m drops to concrete ' and IP43 sealing, ensuring reliable operation in spite of everyday spills, drops and bumps

Government grade security with Zebra MAX Secure

FIPS 140-2 certification enables compliance with the most stringent industry security regulations, including HIPAA, PCI and requirements for sensitive government applications (requires FIPS configuration scanner and CR0078-P base)

Superior high performance scanning on all bar codes

The integrated revolutionary SE4500 imager eliminates the performance degradation common in 2-D scanning, delivering: laser-like performance on both 1-D and 2-D codes; rapid and accurate capture of even poor quality and damaged bar codes; and full omnidirectional scanning, which eliminates the need to precisely align bar code and imager, improves ergonomics and protects productivity

Bluetooth® v2.1 with EDR

Provides a secure wireless connection to the scanner base station for cordless convenience and safety

RSM (Remote Scanner Management) Ready

Reduces total cost of ownership by enabling remote, network-based device management of all devices in all locations

	Illumination: 625 +/- 5 nm LED
Field of View	39.2 horizontal, 25.4 vertical
Roll/Pitch/Skew	360°, ±60°, ±60°

SYMBOLOGY DECODE CAPABILITY

1-D	UPC/EAN (UPCA/UPCE/UPCE1/ EAN-8- EAN-13/JAN-8/JAN13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code, Code 39 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, Code 11 (standard, Matrix 2 of 5), MSI Plessey, I 2 of 5 (Interleaved 2 of 5 / ITF, Discrete 2 of 5 IATA, Chinese 2 of 5) GS1 Databar (Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked, Inverse), Base 32 (Italian Pharmacode)
PDF417 (and Variants)	PDF417, microPDF417, Composite Codes (CC-A, CC-B, CC-C)
Postal	U.S. Postnet and Planet, U.K., Japan, Australian, Netherlands KIX code, Royal Mail 4 State Customer , UPU ICS 4 State Postal, USPS 4CB, Canadian Post (Postbar)
2-D	TLC-39, Aztec (Standard, Inverse), MaxiCode, DataMatrix/ECC 200 (Standard, Inverse), QR Code (Standard, Inverse and Micro)
Print Contrast	25% minimum reflectance
Interfaces Supported (Base)	RS-232C (Standard, Nixdorf, ICL, and Fujitsu); USB (Standard, IBM SurePOS, Macintosh), IBM 468x/ 469x, keyboard wedge and wand emulation. Synapse connectivity allows for connectivity to all of the above plus many non-standard interfaces

Note: National Drug Codes (NDC) can be encoded in various symbologies. The DS6878-HC can be used to parse these codes using Advanced Data Formatting (ADF) rules.

SECURITY CERTIFICATION

Certified compliant with FIPS 140-2 (requires FIPS configuration scanner and CR0078-P base)

Cleansers	Windex® with Ammonia D; Virex® 5 Wipes; Dispatch®; Sani-Cloth® Plus

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
Radio	Bluetooth'¢, Class 1, Version 2.1 + EDR, Adaptive Frequency Hopping (enables co-existence with 802.11 wireless networks), serial port & HID profiles; data rate ' up to 3 Megabits/sec

ACCESSORIES

Power Supplies	Power supplies are available to support faster charging or for applications that do not supply power over the host cable
Mounting Brackets	Wall-mount bracket; workstation bracket

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the DS6878 is warranted against defects in workmanship and materials for a period of three years from the date of shipment. For the complete Zebra hardware product warranty statement, go to: http:// www.zebra.com/warranty

RECOMMENDED SERVICES

Customer Services	Service from the Start Advance Exchange Support

See Decode Zone charts on back

DS6878-HC TYPICAL DECODE RANGES (TRIGGER MODE)

Barcode Type	Barcode Density	Inches from scanner nose (typical)
Code 39	5 mil	0.5 - 6.3 in.
Code 128	6 mil	1.3 - 5.4 in.
Code 128	10 mil	* - 8.0 in.
60% UPC	7.8 mil	0.6 - 7.2 in.
100% UPC	13 mil	1.2 - 14.2 in.
PDF	5 mil	1.9 - 3.5 in.
PDF	6.6 mil	1.0 - 5.9 in.
PDF	10 mil	* - 8.0 in.
Datamatrix	10 mil	1.1 - 7.2 in.

* Limited by FOV

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