PRODUCT SPEC SHEET
SYMBOL LI2208-HC

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GENERAL PURPOSE CORDED LINEAR IMAGER FOR HEALTHCARE APPLICATIONS

The LI2208-HC can help your healthcare organization improve accuracy and patient safety with next generation 1-D scanning. This linear imager delivers unparalleled performance on virtually every 1-D bar code, regardless of whether it is printed on a paper label or displayed on the screen of a mobile phone, tablet or computer — all with the same reliability and ergonomic comfort delivered by our most popular scanner, the LS2208. Now, the split second pull of the trigger can capture bar codes on intravenous therapy bags, specimen vials, medication and much more, so your healthcare workers can stay focused on patient care — instead of time-consuming paperwork.

IMPROVE ACCURACY, PATIENT SAFETY, AND HEALTHCARE WORKER PRODUCTIVITY WITH THE NEXT GENERATION IN 1-D SCANNING

There are many types of 1-D bar codes in use in hospitals and clinics. You can capture them all with the LI2208-HC — from the GS1 DataBar codes used on small items, such as medication, surgical supplies and vials to ISBT 128 bar codes that provide information on human tissue, cellular therapy and blood products to lab orders displayed on a computer screen and standard bar codes on supplies like bandages. Not only can you capture every bar code, but the patented optical design provides an industry leading scanning range. For example, 13 mil 100% UPC bar codes can be captured from near contact to over 30 in./76.2 cm away, while 26 mil 200% UPC codes can be scanned at 55 in./139.7 cm away. Bar codes can also be captured at extreme angles, so healthcare workers never need to waste time aligning the LI2208-HC and the bar code. In addition, the optional stand provides convenient handsfree operation for lab workers.

BUILT FOR ALL DAY EVERYDAY USE

In healthcare, device downtime is not an option. That's why a patented single circuit board eliminates the most common points of failure — connectors and ribbon cables. In addition, the LI2208-HC can handle drops, damp environments

FEATURES

Healthcare regulatory requirements

The LI2208 is EN60601-2 compliant, meeting the healthcare industry's EFT (Electrical Fast Transient) requirements for medical electrical equipment safety

Disinfectant-ready

IP42 sealing and a specially designed plastic housing allow safe wipe-down and cleansing with a wide variety of harsh chemicals (see list on back).

Excellent 1-D scanning performance

Delivers superior

and even dust — and still operate reliably.

EASY TO SANITIZE

Wipedowns are required to prevent the spread of germs and dangerous illnesses in a healthcare facility. Special plastics and IP42 sealing allow healthcare workers to safely sanitize the device after every use — without risking damage. The housing and sensitive scanning components are impervious to bleach, alcohol, soap, water and more.

EASY TO DEVELOP AROUND THE WORLD

You can set up the new LI2208-HC in record time with new smart auto-host detect cables that automatically determine which interface is attached, reducing the need to scan multiple parameter bar codes. And with over 90 international keyboards hosted within the scanner, even localized set up is fast and easy.

MAXIMUM UPTIME FOR A LOW TCO

Our industry leading all-inclusive affordable service plans help keep your LI2208-HC bar code scanners in the hands of nurses, lab technicians and other workers. Comprehensive Coverage includes normal wear and tear as well as accidental damage, starting the moment you purchase the device. Service from the Start Advance Exchange Support adds next-business-day advance replacement of devices that require repair — an ideal option in the mission critical world of healthcare. And complimentary tools make it easy to manage devices and create applications.

For more information, visit **www.zebra.com/li2208** or access our global contact directory at **www.zebra.com/contact**

SPECIFICATONS CHART

PHYSICAL CHARACTERISTICS

Dimensions	6.30 in. H x 2.64 in. W x 3.90 in. L 16 cm H x 6.7 cm W x 9.9 cm L
Weight	4.95 oz./140 grams
Voltage and Current	5VDC ± 10% <165 mA scanning <40 mA standby <2.5 mA USB suspend <4.0 mA low power mode (when enabled, RS232 and Keyboard Wedge only)
Power Source	Host power or external power supply
Color	Healthcare White
Supported host interfaces	USB, RS232, Keyboard Wedge and IBM RS485
Keyboard Support	Supports over 90 international keyboards

PERFORMANCE CHARACTERISTICS

Skew Tolerance	±65°
Pitch Tolerance	±65°
Roll Tolerance	±45°

Storage Temperature	-40° F to 158° F/-40° C to 70° C
Humidity	5% to 95% RH, non-condensing
Drop Specification	Over 100 drops at 5 ft./1.5 m at room temperature; survives 6 ft./1.8 m drops to concrete
Tumble Testing	1,000 cycles (2,000 drops) in 1.64 ft./0.5 m tumbler
Environmental Sealing	IP42
Bar Code Symbologies	UPC/EAN: UPC-A, UPC-E, UPC-E1, EAN-8/JAN 8, EAN-13/JAN 13, Bookland EAN, Bookland ISBN Format, UCC Coupon Extended Code, ISSN EAN Code 128 Including GS1-128, ISBT 128, ISBT Concatenation, Code 39 including Trioptic Code 39, Convert Code 39 to Code 32 (Italian Pharmacy Code), Code 39 Full ASCII Conversion Code 93 Code 11 Matrix 2 of 5 Interleaved 2 of 5 (ITF) Discrete 2 of 5 (DTF) Codabar (NW - 7) MSI Chinese 2 of 5 IATA

scanning speed and a wide data capture range.

Captures virtually all 1-D bar codes on any surface — including mobile phone displays

Capture bar codes printed on traditional paper labels or displayed on the screen of a mobile phone, tablet or computer — even if they are damaged, dirty or poorly printed.

Industry-leading working range

Provides greater application flexibility through the capture of bar codes at extended ranges — reads 13 mil 100% UPC bar codes from 1 in./2.54 cm to over 30 in./76.2 cm — as well as high density codes.

Patented single circuit board construction

Maximizes durability and reduces downtime by removing the most common points of failure.

Compatible with 123Scan[2] and Scanner Management Service (SMS)

Dramatically reduces management time and cost, from initial configuration to day-to-day management; SDK available for custom development.

Superior motion and angular tolerance

Scan Pattern	Single bright aiming line
Scan Angle	Horizontal 35°
Scan Speed	547 scans per second
Motion Tolerance	25 in./63.5 cm per second
Light Source	LED Class 1 device 617nm (amber)
Min. Print Contrast	15% MRD

UTILITIES AND MANAGEMENT

123Scan^2, Scanner Management Services (SMS), Zebra Scanner SDK

REGULATORY

Technical Requirements	EMC FCC Part 15 Class B, ICES 003 Class B, IEC 60601-1-2 Environmental RoHS Directive 2002/95/EEC Electrical Safety C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, UL 60950-1 LED Class 1
Environmental	RoHS Compliant

ACCESSORIES

Optional Healthcare mounting cup allows scanner to be mounted onto furniture, fixtures or other desired locations; auto-host detect cables

USER ENVIRONMENT

Ambient Light Immunity	Max 108,000 lux
Operating Temp.	32° F to 122° F/0° C to 50° C

Inverse 1-D (except all GS1 DataBars) GS1 DataBar including GS1 DataBar-14, GS1 DataBar Limited, GS1DataBar Expanded

DECODE RANGES (TYPICAL WORKING RANGES*)

3 mil	Minimum resolution
4 mil	4-10 in./10.2-25.4 cm
5 mil	3-13 in./7.6-33 cm
7.5 mil	1.5-19 in./ 3.8-48.3 cm
13 mil (100% UPC-A)	1-31 in./2.5-78.7 cm
20 mil	1-42 in./2.5-106.7 cm
26 mil (200% UPC-A)	3-55 in./7.6-140 cm
100 mil reflective	>20 ft./6 m

*The working ranges were tested under 30 ft.-cd of ambient illumination; ranges are calculated on Code 39 unless otherwise noted.

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the LI2208 is warranted against defects in workmanship and materials for a period of 60 months from the date of shipment. For the complete Zebra hardware product warranty statement, go to: www.zebra.com/warranty

SERVICES

Service from the Start with Comprehensive Coverage;
Advance Exchange; Enterprise Mobility Software Support

Bar codes can be captured faster, and there is no need to pause during scans.

International keyboard support

Support for over 90 international keyboards enables easy deployment anywhere in the world.

Withstands 100+ consecutive drops to concrete and 1,000 consecutive 1.64 ft./ 0.5 m tumbles

Ensures reliable operation despite the inevitable everyday drops to help maximize uptime.

Flexible modes — handheld and presentation

Gooseneck Intellistand enables presentation scanning and automatic switching between handsfree and handheld operation.

Support for many disinfecting agents

Approved cleansing agents include Isopropyl alcohol, bleach/sodium hypochlorite, hydrogen peroxide, gentle dish soap and water.

Approved brand name cleansers include: Super Sani-Cloth® Wipes, Clorox® Bleach, Windex® Antimicrobial, Windex® with Ammonia D, Virex® 5

Wipes, Dispatch®,
Sani-Cloth® Plus.

123Scan²
Programs scanner parameters, upgrades firmware, provides scanned bar code data and prints reports.
www.zebra.com/123Scan

Scanner Management Service (SMS)
Remotely manages your Zebra scanner and queries its asset information.
www.zebra.com/sms

Scanner SDK
Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code.
www.zebra.com/software

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