Zebra LS3008

Rugged handheld scanner

Value class rugged scanner delivers affordable durability

The LS3008 rugged handheld scanner offers affordable performance and durability in smaller manufacturing and light industrial environments. Built for all day every day use, the LS3008 provides the highest level of uptime performance in its class. Single board construction eliminates the common points of failure associated with ribbon cables that connect multiple boards. The patented Liquid Polymer Scan Technology is frictionless and will not wear out. The scanner is built to withstand everyday drops; offers a scratch-resistant, tempered glass exit window for high-quality scanning day in and day out; and can be safely used in dusty environments. In addition, the scanner offers the sealing required to endure wipe downs, and can even be sanitized in clean manufacturing and hospital environments.

Low total cost of ownership

In addition to the productivity-enhancing features you need to keep business moving, the LS3008 offers a low total cost of ownership. The rugged design significantly reduces device downtime. Support for Remote Scanner Management (RSM) enables you to discover, provision and upgrade devices from a central remote location, dramatically reducing management time and costs. Multiple on-board interfaces provide true plug-and-play simplicity with your host system today, as well as tomorrow. And since even rugged devices require a support plan, Zebra's Service from the Start Advance Exchange Support contract provides next-business-day delivery of a replacement device for maximized uptime and productivity. This offering also includes Zebra's unique Comprehensive Coverage, which extends normal wear and tear to cover accidental damage to scan elements, exit windows, and other internal and external components at no extra charge — significantly reducing your unforeseen repair expenses.

Superior functionality for superior productivity

This easy-to-use, lightweight and ergonomic device requires virtually no training and is packed with productivity enhancing features. Objects can be comfortably scanned at any angle — the innovative multi-line rastering scan pattern eliminates the need for exact aim and positioning of the scanner. Users can move rapidly from one bar code to another without delay or rescanning, due to superior motion tolerance. With optimized optics, the LS3008 helps deliver first time, every time scanning — even on damaged and poorly printed bar codes.

For more information on how the rugged LS3008 can boost productivity and reduce costs in your environment, visit us on the web at
www.zebra.com/ls3008

LS3008 Specifications

PHYSICAL CHARACTERISTICS

Dimensions:	6.7 in. H x 3.7 in. L x 2.7 in. W 17 cm H x 9.3 cm L x 6.8 cm W

USER ENVIRONMENT

Operating Temp.:	32° to 122° F/0° to 50° C
Storage Temp.:	-40° to 158° F/-40° to 70° C

FEATURES

Single board construction
Eliminates the most common point of failure — ribbon cables between multiple circuit board

Drop specification: 6.5 ft./2m drops to concrete at room temperature
Maximizes reliability and uptime

IP53 sealing
Can be safely wiped down and sanitized for clean manufacturing and hospital environments

Liquid Polymer Scan element with lifetime warranty
Eliminates friction and wear for superior durability and reliability

Wide working range from 0 to 19 inches
Enables comfortable, intuitive scanning

Ability to read down to 3 mil bar codes
Enables effortless scanning of smaller bar codes

Scratch resistant tempered glass exit window
Delivers continuously reliable scanning

Superior motion tolerance
Enables scanning of bar codes in rapid succession without delay; reduces fatigue and increases productivity

Weight:	Approximately 6.4 oz./181 gm	

Voltage and Current:	5 +/- 10%VDC @ 140 mA (Stand by: <35 mA)
Color:	Yellow/Twilight Black

PERFORMANCE CHARACTERISTICS

Light Source:	650 nm laser diode
Motor Frequency:	50Hz
Decode Rate:	200 decodes per second
Roll/Pitch/Yaw:	+/- 35°; +/- 60°; +/- 60°
Nominal Working Distance:	13 mil (100% UPC/EAN): 0 to 19 in. (48.25 cm) 5 mil (Code 39): 1.25 to 5.25 in. (3.17 to 13.33 cm)
Print Contrast:	25% minimum reflectance
Motion Tolerances:	Horizontal velocity: 200 in. (508 cm)/sec Vertical velocity: 200 in. (508 cm)/sec Angular velocity: 200 in. (508 cm)/sec
Decode Capability:	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, Codell, IATA, Bookland EAN, Code 32
Interfaces Supported:	RS-232C (Standard, Nixdorf, ICL, & Fujitsu); IBM 468x/469x; Keyboard Wedge; USB (Standard, IBM SurePOS, Macintosh); Laser/Wand Emulation; In addition Synapse Adaptive Connectivity allows for connectivity to all of the above plus many non-standard interfaces

ACCESSORIES

Mounting Options:	Intellistand with adjustable height: 5 to 10 in./12.7 to 25.4 cm and adjustable angle between 0° to 90°; desktop and wall-mount holders; scanner sleeve with integrated loop for tether attachment
Power Supplies:	Power supplies are available for applications that don't supply power over the host cable

Humidity:	5% to 95% non-condensing
Drop Specification:	Withstands multiple 6.5 ft./2 m drops to concrete at room temperature; 6 ft/1.825 m drops to concrete at all other operating temperatures
Sealing:	Sealed at IP53 against dust and water
Ambient Lighting Tolerance:	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED[1]:450 Ft Candles (4,844 Lux) Sunlight:8000 Ft Candles (86,111 Lux)

REGULATORY

Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA
Laser Safety:	CDRH Class II, IEC Class 2

WARRANTY

Subject to the terms of Zebra's hardware warranty statement, the LS3008 handheld scanner products are warranted against defects in workmanship and materials for a period of three (3) years from the date of shipment.

The Liquid Polymer Scan Element includes an unprecedented limited lifetime warranty.

For the complete Zebra hardware product warranty statement, go to: www.zebra.com/warranty

1 - LED lighting with high AC ripple content can impact scanning performance

Multi-line rastering scan pattern

Delivers superior scanning performance; eliminates need for exact aim and positioning; captures even tiny, stacked and poorly printed bar codes

Multiple onboard interfaces including RS232, USB and KBW (keyboard wedge)

Simplifies installation and integration; ensures compatibility with host/POS today and tomorrow

Remote Scanner Management (RSM) support

Discover, provision and upgrade devices from a central remote location; dramatically reduces management effort and costs

Optional Intellistand for hands-free mode

Ability to switch between hands-free and handheld modes for maximum productivity and comfort

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