LS 4008i

Versatile, High Performance Hand-Held Scanner

symbol®

Value, Innovation and Performance

Based on the highly successful LS 4000 Series platform from Symbol Technologies, the LS 4008i showcases our experience in the design of innovative, high performance scanning solutions. The LS 4008i combines superior bar code scanning performance and flexible host connectivity with maximum user comfort at a highly attractive price—backed by Symbol's 5 Year Plus warranty.

The LS 4008i scan line is visible even in bright light, so aiming is simple. A wide working range—from contact out to more than 19 in./48 cm on 100% UPC symbols—makes the LS 4008i ideal for a wide variety of applications. Adaptive Logic Signal Processing decodes even poorly printed or damaged bar codes so there is no impact on productivity or throughput. And it even ships ready to read emerging Reduced Space Symbology (RSS) and Composite Codes—so your hardware investment is "futureproofed".

Flexible Host Connectivity

The LS 4008i ensures connectivity to virtually any host with universal cabling and multiple onboard interfaces, including USB, RS-232C, IBM468X/9X, Keyboard Wedge, Wand and Synapse. Advanced Data Formatting (ADF) capabilities allow scanned data to be modified prior to transfer, ensuring compatibility with the application on the host system.

Ergonomic Design

Symbol knows that ergonomics are just as important as scanner performance—so the rugged LS 4008i is packed with features designed to enhance operability. The LS 4008i is lightweight to maximize user comfort, with a handle optimized to fit comfortably into hands of all sizes. The patented two-finger trigger reduces finger fatigue—even over extended periods of use. A hands-free Intellistand enables the convenience of presentation scanning for increased throughput. LS 4008i scanners feature a large, bright two-color LED plus a beeper with adjustable volume for audible confirmation of good decodes. An over molded rubber "chin" and "foot" achieve dual functionality of absorbing shock and raising the scanner off the counter for easy pickup and placement.

The Mark of a Top Performer—Application Versatility

The LS 4008i offers a complete scanning and on-board connectivity set, making it the perfect scanner for a wide variety of retail and commercial applications—from small neighborhood businesses to major retailers and corporations. LS 4008i scanners can be used anywhere where efficiency needs to be improved through the use of bar code data capture. In retail environments, the LS 4008i is ideal for applications such as point-of-sale scanning, price markdowns and verifications, and in-store inventory management for warehouse clubs, mass merchandisers, and department, grocery, and specialty stores. In warehouse and manufacturing environments, the

Features	Benefits
Reads RSS and Composite Codes	Compatibility with emerging symbologies "futureproofs" your hardware investment
Multiple interfaces on-board	Ensures flexible connectivity to virtually any host
Lightweight, sleek ergonomic design	Maximizes user comfort and productivity
Universal Cables	Shares cabling with other Symbol scanners for easy replacement and/or upgrades
Adaptive Logic Electronics	Improves productivity by ensuring good decode on both damaged and poorly printed symbols
Supports 123Scan scanner setup utility	Flexible set up via PC download, or by scanning a sequence of bar codes
Advanced Data Formatting (ADF)	Ability to modify scanned data prior to sending to host eliminates costly host software modifications
Flash Memory	Facilitates custom settings and future upgrades
Mylar® scan element	Unsurpassed scanning performance without friction or wear, covered by a lifetime guarantee

LS 4008i improves productivity and accuracy in shipping and receiving by streamlining inventory management, assembly lines and document tracking processes. And the healthcare industry benefits from more efficient tracking of patient information, management of medical inventory, and more.

For More Information

To find out how your workforce can be more productive using the LS 4008i contact any of the locations listed on the back of this data sheet, or visit us at **www.symbol.com/barcode**

LS 4008i Specification Highlights

Physical Characteristics

Dimensions:	6.3 in. H x 5 in. L x 2.8 in. W 16 cm H x 12.7 cm L x 7.1 cm W
Weight:	Approximately 6 oz. /170 gm
Voltage & Current:	4.5 – 5.5 VDC @ 180 – 200 mA (nominal 5V) USB: Low Power Mode <500 uA (nominal 5V)
Color:	Cash Register White (shown) or Twilight Black

Performance Characteristics

Light Source:	650 nm laser diode
Roll:	+/- 25°
Pitch:	+/- 55°
Yaw:	+/- 55°
Nominal Working Distance:	13 mil (100% UPC/EAN): 0 to 19 in. (48 cm) Refer to the Decode Zone charts
Print Contrast:	1D: 25% minimum reflectance 2D (PDF): 35% minimum reflectance differential
Decode Capability:	1D: UPC/EAN and with supplementals, Code 39, Code 39 Full ASCII, Tri-optic Code 39, Code 93, Codabar, Interleaved 2 of 5, Code 128, UCC/EAN 128, Discrete 2 of 5, MSI, Bookland EAN, Code 11, and RSS variants 2D: PDF417, UCC/EAN Composite Codes, Micro PDF
Interfaces Supported:	LS 4008i features on-board Multiple Interface ASIC with: 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.

USB / UNIVERSAL SERIAL BUS

User Environment

Operating Temperature:	32° to 104° F / 0° to 40° C
Storage Temperature:	-40° to 140° F / -40° to 60° C
Humidity:	5% to 95%, noncondensing
Drop Specifications:	Withstands multiple 5 ft./1.5 m drops to concrete
Ambient Light Immunity:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions
EAS Support:	Optional Checkpoint Electronic Article Surveillance EAS

Regulatory

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

Accessories

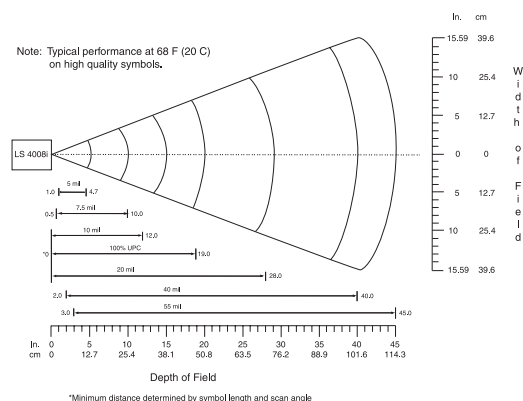|	
Mounting Options (Accessories):	Intellistand with adjustable height: 5–10 in. 12.7–25.4 cm and adjustable angle: 0°–90°

Warranty

The Symbol Cobra LS 4008i Series is warranted against defects in workmanship and materials for a period of 60 months from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. The Mylar® scan element is covered by Symbol's limited lifetime warranty. The Mylar scan element consists of a Mylar strip, frame, mirror assembly and magnet. See the complete warranty for details.
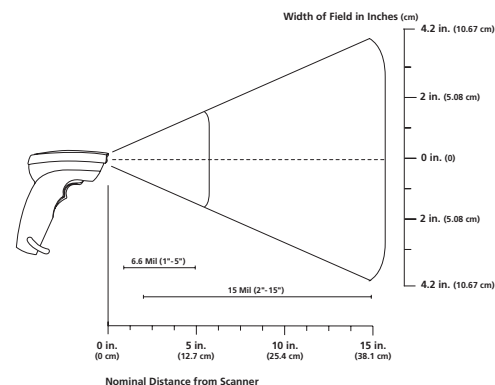
FIVE YEAR PLUS 5+ WARRANTY

N410 CE

C A U T I O N
LASER LIGHT–
DO NOT STARE INTO BEAM
630nm-680nm LASER
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT

LS 4008i 1-D Bar Code Decode Zone

Note: Typical performance at 68 F (20 C) on high quality symbols.

*Minimum distance determined by symbol length and scan angle

Depth of Field

LS 4008i 2-D Bar Code Decode Zone

Nominal Distance from Scanner

For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

symbol ®
BUSINESS PARTNER

LS4008i 07/02

symbol ®