



General Purpose Corded Handheld Laser Bar Code Reader

The FireScan readers provide an environmentally compliant laser scanner solution in a value priced general purpose product. In complement to the QuickScan® 6000 Plus laser scanners, the FireScan series of readers also offer premium performance and are an ideal solution for retail, healthcare, office automation and light industrial applications that require high reading distances (over 40 cm / 15.8 in) and a bright, well-defined scan line. An integrated single laser dot aiming system permits easy pointing on the code at higher distances to improve productivity.

Reading performance is enhanced by Datalogic's patented PuzzleSolver™ technology for fast and accurate reading of standard, poorly printed and damaged codes. Advanced data editing and formatting functions allows the scanned data to be modified prior to transfer, ensuring compatibility with the application on the host system

FireScan readers are available in three models with different interface sets: the

standard D131 model provides all the typical connections (USB, RS-232, Keyboard Wedge and Wand Emulation), the D111 model provides complete connectivity to main IBM 46xx cash registers and the D141 model performs undecoded reader applications (ex. connecting the reader to flatbed scanners).

A hands-free stand for presentation style reading and mounting options are available to organize the workspace and to save valuable counter area when needed.



Features

- Excellent depth of field over 40.0 cm / 15.8 in
- Aiming system for intuitive reading
- Interface options include an Undecoded Laser Output Model
- Supports GS1 DataBar™ linear codes
- Firmware upgrading
- Advanced data formatting and editing
- Water and Particulate Sealing Rating: IP30
- Drop resistance to 1.5 m / 4.9 ft



Specifications

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates all standard 1D codes including GS1 DataBar™ linear codes
STACKED CODES	GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional

ELECTRICAL

CURRENT	Operating (Typical): 150 mA @ 5 VDC Standby/Idle (Typical): < 500 µA @ 5 VDC
INPUT VOLTAGE	5 VDC +/- 5%

ENVIRONMENTAL

AMBIENT LIGHT	Immune to light exposure in offices and facilities, and direct exposure to sunlight
DROP RESISTANCE	Withstands repeated drops from 1.5 m / 4.9 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	16 kV
HUMIDITY (NON-CONDENSING)	90%
PARTICULATE AND WATER SEALING	IP30
TEMPERATURE	Operating: 0 to 50 °C / 32 to 122 °F Storage/Transport: -20 to 40 °C / -4 to 104 °F

INTERFACES

RS-232 / IBM 46XX: D111; RS-232 / USB / Keyboard Wedge / Wand
Multi-Interface: D131; Undecoded Laser Output: D141

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Dark Grey
DIMENSIONS	17.8 x 7.2 x 9.1 / 7.0 x 2.8 x 3.6 in
WEIGHT	200.0 g / 7.1 oz

READING PERFORMANCE

LIGHT SOURCE	Aiming: VLD 630 - 680 nm
PRINT CONTRAST RATIO (MINIMUM)	15%
READ RATE (MAXIMUM)	35 reads/sec. +/- 5
READING ANGLE	Pitch: 5 to 55° / -5 to -55°; Roll (Tilt): +/- 20°; Skew (Yaw): +/- 60°
READING INDICATORS	Beeper (Adjustable Tone); Good Read LED; Laser ON
RESOLUTION (MAXIMUM)	0.120 mm / 5 mils

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
	5 mils: 4.0 to 18.0 cm / 1.5 to 7.0 in
	7.5 mils: 3.5 to 18.0 cm / 1.4 to 10.9 in
	10 mils: 2.5 to 44.0 cm / 1.0 to 17.2 in
	13 mils: 2.0 to 50.0 cm / 0.8 to 19.5 in
	20 mils: 5.0 to 73.0 cm / 1.9 to 28.5 in

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam; CDRH Class II; EN 60825-1 Class 1

UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge
OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge OPOS Utilities are available for download at no charge

WARRANTY

2-Year Factory Warranty



Mounts/Stands

- 90ACC1790 Desk/Wall Holder for FireScan
- 90ACC1873 Hands Free Stand (STD-1010) for FireScan
- 90ACC1876 PLATE, Metal Plate for STD-1010

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Product specifications are subject to change without notice.

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