



Lynx™

Hand-Held 2D Reader

FEATURES

- Omni-directional scanning
- Support most popular 1D, 2D and Postal codes
- Autodiscrimination of linear and 2D codes
- Image capture
- Intuitive aiming
- Multi-standard interface

APPLICATIONS

- Shop floor:
 - WIP
 - Tracking
 - Quality Control
- Document handling:
 - Front-Desk/Postal applications
 - Shipping & Receiving

GENERAL DESCRIPTION

Datalogic, the leading European manufacturer of Hand-Held CCD and Laser readers, further improves its offer with the introduction of a state-of-the-art and powerful "bi-dimensional" reader: the **Lynx™**.

Based on a matricial CCD sensor (640 x 480 pixel), the **Lynx™** allows "omnidirectional" reading of the most common 1D symbologies as well as a wide variety of 2D and stacked codes. Furthermore, the **Lynx™** can be used for "image-based" applications like signature capture, OCR and so on. In fact, with the **Lynx™** the user captures the whole image of the object to be identified no matter how it is orientated, thus avoiding any alignment constraint between the reader and the symbol/image to be read/captured.

The captured image can be processed on board for 1D or 2D symbologies, or downloaded in different formats for image processing on the host side.

Aiming at the image to be captured is really easy and intuitive thanks to the "double-click" trigger for Point & Read, and to the "five dot pointer" that mark the four corners and center of the reading area.

The **Lynx™** is available in two models that are specifically addressed to standard (D302) and high resolution (D302 E) codes. Both models are equipped with a multi-standard interface to allow connection to the host via RS232 or wedge emulation interface.

The software tool "visual setup" included in the **Lynx™** package allows easy configuration of all the parameters for personalizing the reader to the application, as well as a quick view of the downloaded images.

The **Lynx™** is suitable for applications in even the most demanding environments thanks to its rugged case and "Industrial" electromagnetic protection. The **Lynx's™** Firmware can be in-field updated for easy maintenance and investment protection.



MODELS AND ACCESSORIES

MODEL	DESCRIPTION	ORDER NO.
LYNX™ D302	2D Hand-Held reader	901601010
LYNX™ D302 E	2D Hand-Held reader for High Resolution codes	901601020
ACCESSORIES		
CAB362	RS232 cable, 9-pin female connector (DCE config.)	90A051330
CAB363*	RS232 cable, 25-pin female connector (DCE config.)	90A051340
CAB364*	RS232 cable, 25-pin male connector (DTE config.)	90A051350
CAB327	RS232 cable, 9-pin female connector (DCE config.)	90G001070
CAB328*	RS232 cable, 25-pin female connector cable (DCE config.)	90G001080
CAB320*	RS232 cable, 25-pin male connector (DTE config.)	90G001000
CAB391	IBM/PS2 wedge minidin external power supply	90A051740
Operator's Manual	Software manual for Lynx™ series	included
PG110 (110 Vac)	Power supply unit 12 VDC	B9751057
PG220 (220 Vac)	Power supply unit 12 VDC	B9751027

*Power supply available on pin 9 or 25 of the connector.

SPECIFICATIONS

POWER SUPPLY	10 to 30 VDC	2D Codes	PDF417, MaxiCode, DataMatrix (ECC200), QR, AZTEC
CONSUMPTION	200mA @ 12V (stand-by) 300 mA@12 VDC (typical) 440 mA@12 VDC (peak current)	Postal	Postnet, Planet, Australian, Japanese
AIMING	Visible laser diode @ 650 nm	IMAGE AND SIGNATURE CAPTURE	640 x 480 VGA (8 bit gray scale) 320 x 240 CIF (8 bit gray scale)
MAX. RESOLUTION		INTERFACES	RS232, Wedge AT IBM
D302	linear: 5 mils; datamatrix: 10 mils	DIMENSIONS	203 x 117.2 x 68.9 mm
D302 E	linear: 3 mils; datamatrix: 5 mils	WEIGHT	265 g (without cable)
READING FIELD	28.6° (H) x 21.9° (V): D302 model 21.8° (H) x 16.2° (V): D302 E model	AMBIENT LIGHT IMMUNITY	0 to 100,000 lux (D302)
PRINT CONTRAST VALUE (min.)	PCS=23% (D302); PCS=45% (D302 E)	OPERATING TEMP.	0 to 40 °C
READING ANGLE		STORAGE TEMP.	-20 to 70 °C
Skew	±40° (D302); ±60° (D302 E)	HUMIDITY	0 to 95% non condensing
Pitch	±35° (D302); ±50° (D302 E)	DROP RESISTANCE	IEC 68-2-32 Test ED
Tilt	360° (D302/D302 E)		
SENSOR	640 X 480 element, 2D CCD array		
LASER CLASSIFICATION	Class 2 (IEC 825-1 and CDRH)		
BAR CODES			
1D Codes	2/5 Interleaved, Code 39, Code 128, Code 93, UPC/EAN/JAN, Codabar, RSS		



READING CHARACTERISTICS

Lynx™ D302	1D CODE	DEPTH OF FIELD	Lynx™ D302 E	1D CODE	DEPTH OF FIELD
	Code 39 5 mils	75 to 105 mm		Code 39 5 mils	35 to 70 mm
	Code 39 20 mils	75 to 325 mm			
	EAN13 13 mils	45 to 115 mm			
Lynx™ D302	2D CODE	DEPTH OF FIELD	Lynx™ D302 E	2D CODE	DEPTH OF FIELD
	Postnet 20 mils	75 to 325 mm		PDF417 5 mils	40 to 75 mm
	PDF417 6.6 mils	45 to 160 mm		PDF417 10 mils	45 to 100 mm
	PDF417 10 mils	35 to 215 mm		QR 5 mils	45 to 60 mm
	QR 10 mils	55 to 105 mm		QR 10 mils	35 to 85 mm
	QR 15 mils	45 to 175 mm		Datamatrix 5 mils	45 to 60 mm
	Datamatrix 10 mils	60 to 120 mm		Datamatrix 10 mils	35 to 85 mm
	Datamatrix 15 mils	45 to 165 mm			



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We reserve the right to make modifications and improvements

Datalogic S.p.A. Italy Corporate Headquarters Tel. +39 051/3147011 Fax +39 051/726562 info@datalogic.it	Australia Datalogic PTY LTD. Tel. +61 3/95589299 Fax +61 3/95589233 sales@datalogic.com.au	Austria Datalogic Handelges MBH Tel. +43 2236/258820 Fax. +43 2236/258825 office@datalogic.co.at	Denmark Datalogic A8 Tel. +45 44/209970 Fax +45 44/209972 info@datalogic.se	France Datalogic France S.A. Tel. +33 1/60921111 Fax +33 1/60921340 dlfrance@datalogic.it
Sales Italy Tel. +39 051/3147300 Fax +39 051/726562 venditeitalia@datalogic.it	Germany Datalogic GmbH Tel. +49 7026/6080 Fax +49 7026/5746 info@datalogic.de	Japan Izumi Datalogic Co., Ltd. Tel. +81 78/3033400 Fax +81 78/3033402 idlmarke@izumi-datalogic.co.jp	Netherlands Datalogic Optic Electronics BV Tel. +31 346/572888 Fax +31 346/568736 info@datalogic.nl	Spain Datalogic Iberia Tel. +34 91/3837755 Fax +34 91/3837962 dliberia@datalogic.it
Sales International (Central and South America, Far East, Middle East - Africa) Tel. +39 041/5986511 Fax +39 041/5986550 sales-intl@datalogic.it	Sweden Datalogic AB Tel. +46 40/385000 Fax +46 40/385001 info@datalogic.se	United Kingdom Datalogic UK Ltd. Tel. +44 1582/464900 Fax +44 1582/464999 enquires@datalogic.demon.co.uk	U.S.A. Datalogic Inc. Tel. +1 859/6897000 Fax +1 859/3344970 info@datalogic.com	

