



Hand-Held Readers

## General Description

Datalogic, the leading European manufacturer of Hand-Held CCD and Laser readers, is continuously investing in 2D technology. The latest addition is the Lynx D432, available in two new models for standard and high resolution codes.

The Lynx™ family performs "omnidirectional" reading on a wide range of symbolologies from the most common 1D and 2D codes to stacked and postal codes, improving productivity and efficiency in any application. 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 to be read. Furthermore, the Lynx™ 432 can be used for "image-based" applications like signature capture, OCR and so on.

The captured image can be processed on board, or downloaded in different formats (.bmp, .jpg, .tif) for image processing on the host side. Also, the new image capture function allows complete image management. Up to 4 acquisition options allow image manipulation: zoom (from 20% to 200%), contrast, brightness ( $\pm 100\%$ ) and windowing. 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 marks the four corners and center of the reading area.

All models are equipped with a multi-standard interface for connection to the host via USB (COM and wedge emulation), RS232 or Wedge emulation interface.

Finally, the VisualSetup™ software tool included in the Lynx™ package allows easy configuration of all the parameters to personalize the reader for any application, as well as a quick view of the downloaded images.

## Features

- > Omni directional scanning
- > Supports most popular 1D, 2D, Stacked and Postal codes
- > Advanced image capture
- > Standard and high resolution models
- > Intuitive aiming
- > Multi-standard interface: USB RS232, Wedge AT IBM
- > Robustness: 1.8 drop resistance
- > Visual Setup Software Tool included in the package
- > Sunrise 2005 compliant

## Applications

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

## Specifications

### ELECTRICAL CHARACTERISTICS

POWER SUPPLY 10 to 30 VDC  
 CONSUMPTION 110 mA @ 12V (Stand-by)  
 245 mA @ 12V (Typical)  
 305 mA @ 10V (Peak current)

### OPTICAL CHARACTERISTICS

SENSOR 640 x 480 pixel element, 2D CMOS Array  
 IMAGE AND 640 x 480 VGA (8 bit gray scale)  
 SIGNATURE CAPTURE 320 x 240 CIF (8 bit gray scale)  
 AIMING Visible laser diode @ 650 nm

### MECHANICAL CHARACTERISTICS

DIMENSIONS 203 x 117.2 x 68.9 mm  
 WEIGHT 265 g (without cable)

### PERFORMANCE

MAX. RESOLUTION Linear: 4 mils ; Datamatrix 6.6 mils (Lynx™ D432)  
 Linear: 2 mils; datamatrix: 4 mils (Lynx™ D432 E)  
 READING FIELD 21.8° (H) x 16.7° (V): Lynx™ D432  
 20° (H) x 15° (V): Lynx™ D432 E  
 PRINT CONTRAST VALUE (min.) PCS=23% (Lynx™ D432); PCS=27% (Lynx™ D432 E)  
 READING ANGLE  
 Skew ±40° (Lynx D432); ±60° (Lynx™ D432 E)  
 Pitch ±35° (Lynx™ D432); ±50° (Lynx™ D432 E)  
 Tilt 360°

GRAPHIC FORMATS .bmp, .jpg, .tif;  
 grey levels: 256, 16, 2

### CODES

1D Codes Interleaved 2 of 5, Code 39,  
 Code 128, EAN 128,  
 Code 32, Code 93,  
 UPC/EAN/JAN, Codabar  
 2D Codes PDF417,  
 DataMatrix , QR,  
 Postal POSTNET, PLANET, Japan Post,  
 Australian Post, KIX Code,  
 Royal Mail Code (RM4SCC)

### INTERFACES

RS232, Wedge AT IBM; USB  
 (COM and Wedge  
 emulation)

LASER CLASSIFICATION Class 2 (IEC 825-1 and CDRH)

### ENVIRONMENT

AMBIENT LIGHT 0 to 100,000 lux  
 IMMUNITY  
 OPERATING TEMP. 0 to 55 °C  
 STORAGE TEMP. -20 to 70 °C  
 HUMIDITY 0 to 95% non condensing  
 DROP RESISTANCE 1.8 m multiple drops

## Reading Characteristics

LYNX™ D432	1D CODE	DEPTH OF FIELD
	Code39 5 mils	80 to 150 mm
	Code39 20 mils	80 to 330 mm
	EAN13 13 mils	75 to 245 mm
LYNX™ D432	2D CODE	DEPTH OF FIELD
	POSTNET 20 mils	115 to 300 mm
	PDF417 5 mils	85 to 155 mm
	PDF417 6.6 mils	70 to 190 mm

LYNX™ D432	2D CODE (cont.)	DEPTH OF FIELD
	PDF417 10 mils	45 to 240 mm
	Datamatrix 7.5 mils	90 to 130 mm
	Datamatrix 10 mils	75 to 165 mm
	Datamatrix 15 mils	60 to 220 mm

LYNX™ D432E	1D CODE	DEPTH OF FIELD
	Code 39 3 mils	50 to 75 mm
	Code 39 5 mils	40 to 95 mm
LYNX™ D432E	2D CODE	DEPTH OF FIELD
	PDF417 3 mils	50 to 80 mm
	PDF417 10 mils	40 to 130 mm
	Datamatrix 5 mils	50 to 75 mm
	Datamatrix 10 mils	45 to 105 mm

## Accessories



Stand



Universal Holster

### Stand

Robust and compact, the stand makes it possible to use the reader in a hand-free mode.

### Universal Holster

It is designed to offer a robust and handy way to attach the readers to desktops, work-tables, forklift trucks, and other types of supports.

### Protective case - Belt coupler

This permits the reader to be carried on a belt, when not in use, and protect it against drops.

### Desk/Wall Holder

The Desk/Wall Holder provides ease of use and flexibility in many environments where work-space is limited.



Protective case



Desk/Wall Holder



## About BarcodesInc

### Who We Are

BarcodesInc is North America's leading provider of barcode and mobile computing solutions. We are a leading provider of barcode and mobile computing solutions. We are a leading provider of barcode and mobile computing solutions.

### We Owe Our Success To You

Our success is due to the support and trust of our customers. We are committed to providing the highest quality products and services to our customers.

## Why Choose BarcodesInc?

### Dedicated Account A UbU Yf

Our Account Managers will not compromise when it comes to providing you top-notch service. Your Account Manager is the primary point of contact for your business and makes it a priority to get to know you, your company and all your needs.

### Highly-Trained Technical Support

Our technical staff has the broadest knowledge and every significant certification in the industry. One of our friendly experts is always available to suggest products and solutions for any situation.

### Incredible Value

Our purchasing power means big savings for you. Whatever your project, our team will work hard to deliver a solution that fits your budget.

### Largest Inventory in the Industry and Same-Day Shipping

Whatever your barcoding, mobile computing, or printing needs, we will fill your order and ship it the same day.

### Premier Access to Top Manufacturers

BarcodesInc maintains strong strategic partnerships with the leading manufacturers in barcoding, mobile computing, printing and RFID.

### Responsive Customer Service

Every phone call and email is responded to promptly, completely and accurately by our customer service team.

### Easy Returns

Damaged, defective or incorrectly ordered goods may be returned without hassle.

## BRANDS



AND MORE