

# DLC7070-M

## CCD-GUN™

MFRS™

IHHC™


**5**  
 year  
 WARRANTY

\*For models with cable only



## General Description

Datalogic's innovative reader operates at up to 50 cm from the bar code and is based on the most innovative CCD technology, previously reserved for contact reading, allowing it to read like a laser scanner over long distances, with equal or better results.

With the objective of making the operator's job easier, the **DLC7070-M** CCD GUN™ offers ergonomic solutions designed to optimise handling and ease of use. After careful market analysis focused on determining operational needs for bar code acquisition applications in retail, banks, post offices and insurance companies, Datalogic found that the user typically holds a reader at a distance of between 3 cm and 18 cm from the bar code.

We have defined this as the INSTINCTIVE READING DISTANCE.

On the basis of this information, Datalogic designed the new reader offering the best performance in this instinctive reading field.

Reading is always aggressive and reliable thanks to the sophisticated optical system with a concentrated illumination beam, facilitating correct alignment on the bar code. A double beeper and a large LED indicator provide unique operator feedback. Reliability and ruggedness were also very important factors in Datalogic's research. The optical system, without moving parts, is mounted on shock absorbers to guarantee continued functionality even after repeated drops onto concrete, and the push button can withstand thousands of operations.

In addition, the **DLC7072-M** High Density and **DLC7075-M** Extended Range versions based on Enhanced Multistandard Architecture have been created to meet specific needs.

All in all, it is an important challenge that only the European leader in CCD technology can meet.

## Features

- > ENHANCED MULTISTANDARD ARCHITECTURE
- > Instinctive reading distance
- > Advanced distance reading CCD technology
- > Ergonomy and natural use
- > Rugged and reliable
- > Retail "hands free stand"/desk resting shape
- > Man/machine interface: dual beeper and large LED
- > MFRS™ (multi-feedback reading system)
- > IHHC™ (Intelligent Hand-Held Controller)
- > OLE for POS compliance
- > Sunrise 2005 compliant

## Applications

- > Data collection in commercial and office automation environments
- > Data collection in light industrial environments



## Specifications

### ELECTRICAL CHARACTERISTICS

POWER SUPPLY 5 VDC ±5%  
 CONSUMPTION 150 mA (max) 500 µA in sleep mode (operating modes need to be programmed)

### MECHANICAL CHARACTERISTICS

DIMENSIONS 180 x 105 x 76 mm  
 (without cable) (7.09 x 4.12 x 2.99 in)  
 WEIGHT Approx. 230 g (8.11 oz)  
 CASE MATERIAL ABS  
 CABLE LENGTH 2 m (6.6 ft)

### PERFORMANCE

LIGHT SOURCE Visible red LED  
 MAX. RESOLUTION 0.13 mm (0.005 in) (PCS 90%) / 0.076 mm (DLC7072)  
 SCAN RATE 100 scan/sec  
 PRINT CONTRAST RATIO 15% (min)  
 READING FIELD See diagrams  
 DEPTH OF FIELD See diagrams  
 READING DISTANCE See diagrams  
 SENSOR CCD 2048 pixel  
 READING INDICATORS Good read led, beeper  
 BAR CODES 2/5 family, Code 39, Code 32, Code 39 CIP, Code 128, EAN 128, EAN/UPC, Codabar, Code 93  
 DLC7072-M/DLC7075-M ISBN/ISSN, ISBT128, Code MSI, PLESSEY, TELEPEN, Code Delta IBM, Code 11, CODABLOCK, Code 49, Code 16K

DLC7072-M/DLC7075-M

### PROGRAMMING METHOD

Manual  
 Automatic (with RS232)  
 Sm@rtSet

### INTERFACES

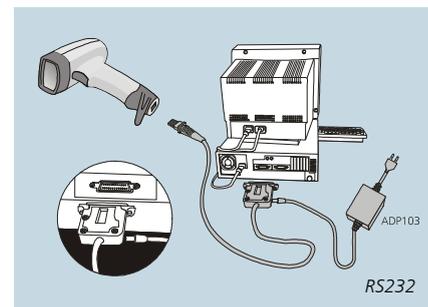
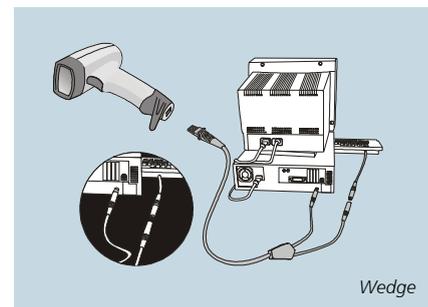
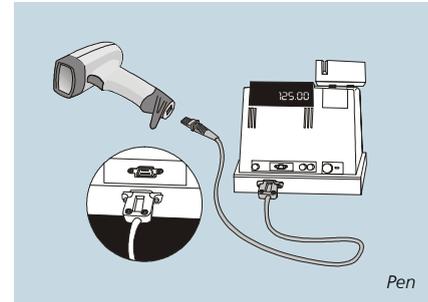
Reading special bar codes  
 S/W commands through the serial port  
 Windows configuration program  
 RS232 (baud rate 150 to 19200 bit/sec), Wedge (IBM PC XT/AT/PS2, IBM terminals 31xx, 34xx, 37xx, IBM PC/XT, Note Book, IBM SURE ONE, and compatibles), Wand emulation  
 Wedge: Wyse, DEC, APPLE ADB BUS

DLC7072-M/DLC7075-M

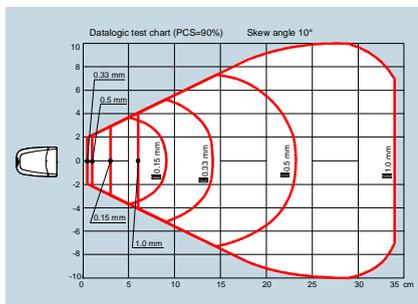
### ENVIRONMENT

AMBIENT LIGHT Up to 20,000 lux  
 CONDITIONS (EAN 13 M=0.8 PCS 90%)  
 OPERATING TEMP. 0 to 55 °C (32 to 131 °F)  
 STORAGE TEMP. -20 to 70 °C (-4 to 158 °F)  
 HUMIDITY 90% non condensing  
 DROP RESISTANCE Withstands repeated drops of 1.5 m (5 ft) onto a concrete surface  
 ENVIRONMENTAL PROTECTION IP30

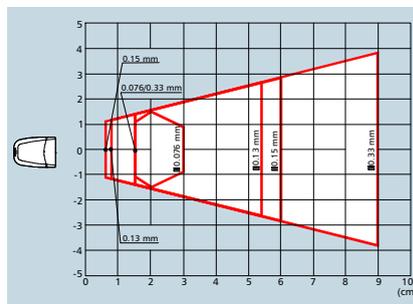
## Connections



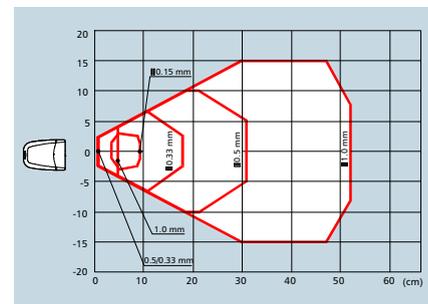
## Reading Diagrams



General Purpose model



High Resolution model



Extended Range model



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