diamond™

Presentation Scanner

⬦DATALOGIC™

*16 lines,
1200 scans/sec*

9C0003790

*"Single Line"
option*

USB
UNIVERSAL SERIAL BUS

Optional Swivel Stand

General Description

When it comes to efficiency for point of sale operations, the Diamond™ is the ideal solution as it combines a high "first pass" decoding rate with outstanding reliability and simplicity of use.

Small, compact and flexible combined with high performance. These are the distinctive features that characterize the Diamond™, Datalogic Scanning's step ahead in omni-directional scanning. In addition, the built-in protective sleeve protects the unit from shocks and prevents possible damage caused by drops from the counter.

The architecture of the Diamond™ provides many benefits at the point-of-sale. The visible laser diode allows the product to generate a scan pattern of 16 lines for 1200 scans per second. A single line scan option is also available. This feature, combined with excellent ergonomics, allows the Diamond™ to be used as a handheld scanner as well. The reduced footprint and intelligent stand allows a variety of configurations at the counter when the product needs to fit in a small space.

A single multi-interface model (USB, Keyboard Wedge and RS-232) provides flexibility and compatibility with the former DLL2020 by simply replacing the plug-in cables.

The Diamond™ is equipped with the Datalogic Scannng code reconstruction system that allows reading of non-oriented labels placed in various positions on objects or poorly printed or damaged codes.

The reader can be also configured in "sleep" mode to minimize power consumption when it is not active. It automatically wakes up when a code is detected.

Features

> Small footprint
> High "First-Pass" rate
> "Single line" mode
> Shock resistant and Antiskid design
> USB, RS-232 and Keyboard Wedge interfaces available
> High durability
> Firmware update
> Sunrise 2005 compliant
> GS1 DataBar™ (formerly RSS)

Applications

> Petrol Stations
> Cash and Carry
> Backroom receiving
> Convenience stores
> Department stores
> Book stores and tobacco shops
> Light industrial environments
> OEM vertical markets

Specifications

ELECTRICAL CHARACTERISTICS

POWER SUPPLY	+5 VDC ±5%
CONSUMPTION	390 mA @ 5 VDC

MECHANICAL CHARACTERISTICS

DIMENSIONS (with sleeve)	100 x 80 x 60 mm / 3.9 x 3.1 x 2.4 in
WEIGHT (with sleeve)	280 g / 10 oz
CASE MATERIAL	ABS
CABLE LENGTH	2 m

PERFORMANCE

LIGHT SOURCE	Visible laser diode (630 to 680 nm)
SCAN DIRECTIONS	4
SCAN SPEED	1200 scans/sec
SCAN PATTERN	16 lines
READING INDICATORS	Beeper (tone user selectable) and 2 colored Leds (green, red)
BAR CODES	EAN/UPC/JAN including AddOn, Code 128, EAN128, Code 39, Code 32, CODABAR, Interleaved 2/5, GS1 DataBar™ (formerly RSS)
INTERFACES	USB, RS-232, Keyboard Wedge

ENVIRONMENT

OPERATING TEMPERATURE	0 to 40 °C / 32 to 104° F
STORAGE TEMPERATURE	-20 to 70 °C / -4 to 158° F
HUMIDITY	0 - 95% RH non-condensing
DROP RESISTANCE	IEC 68-2-32 Test ED 0.8 m
ESD PROTECTION	16 KV
PROTECTION CLASS	IP20

Dimensions

mm

Reading Diagram

Reading zone (15° skew angle)
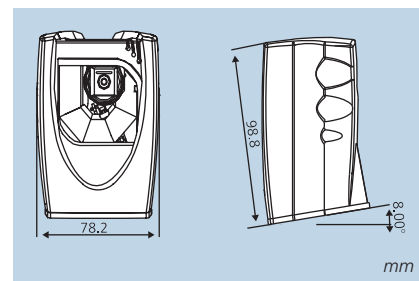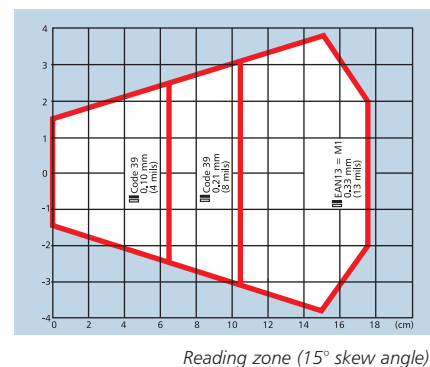
Accessories

Desk Stand

Wall Support

Desk Stand

The base of the desk stand provides the reader with maximum user flexibility. The reading angle can be adjusted by using special modules.

Wall Support

The wall support provides flexible installation in applications that require the reader to be mounted on a wall.

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