



EM1365-LD

Scan Engines



1D



CCD



Chip



Dual
Interface



Entry
Level



LED
aimer



Power consumption



Warranty
2 Years

Features

Progressive Technology.

The EM1365 core technology UIMG is independently developed by Newland, comprising of: optical system, digitizer, decoder, image processor and embedded system. The device demonstrates an unprecedented decoding capability on all mainstream 1D symbologies.

Two-In-One Design.

Seamless integration of imager and decoder board makes the scan engine small, lightweight and easy to integrate.

Superior performance.

The EM1365-LD delivers fast and accurate reading of 1D barcodes.

Low power consumption.

The scan engine provides an optimal solution for battery-operated equipments and mobile devices.

Easy to use.

Includes extensive documentation and simple parameter configuration for fast hassle-free integration.

Application scenarios.

Designed for OEM applications, this high performance CCD scan engine can easily be integrated into various solutions such as kiosks, ticketing machines, PDA's and many more.

2 Years Full
Warranty

TECHNICAL SPECIFICATIONS

EM1365-LD

Data Capture

1D	All major 1D symbologies, including EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey.
Depth of Field Code 39 (5mil)	70 mm - 155 mm
Depth of Field EAN 13 (13mil)	55 mm - 450 mm
Field of View Horizontal	40°
Illumination	LED (610nm-640nm)
Image Sensor	1500 CCD

Minimal Print Contrast	30%
Scan Angle Pitch	±60°
Scan Angle Roll	30°
Scan Angle Skew	±60°
Scan Modes	Trigger Mode, Sense Mode, Manual Mode, Continuous Mode
Scan Rate	300 scans per second

Performance

Processor	0110 Chip
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Physical

Current @ 3.3VDC Operating	21.6 mA (typical), 53.9 mA (max)
Current @ 3.3VDC Standby	10.6 mA
Dimensions	28.3(W) × 22.0(D) × 11.8(H) mm
Housing	ABS
Input Voltage	3.3 VDC ±5%
Interfaces	USB, TTL-232
Power Consumption	71.1 mW (typical)
Power Supply Input	5 VDC (1.5 A)
Power Supply Output	AC100 to 240 V (50 to 60 Hz)
Weight	6 g

Environmental

Ambient Light	0 to 100,000 lux
Humidity	5% to 95% (non-condensing)
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Certifications

Certifications Hardware	CE EMC Class B, FCC Part15 Class B, IEC 62471, RoHS
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Warranty

Warranty Standard	2 Years
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Accessories

Accessories Optional	USB cable, RS-232 cable, Adapter, Software development board
Accessories Standard	75mm flexible flat cable (FFC)



Newland AIDC EMEA

Feel free to contact us or a partner near you.
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