



EM1365-EX

Scan Engines



1D



CCD



LED
aimer



Standard

TTL-232

TTL-232



USB



Warranty
2 Years



Features

Easy Integration.

Seamless integration of the imager and decoder board makes the EM1365-EX small, lightweight and easy to fit into small-sized equipment. At only 28.2 × 21.6 × 8.6mm, it is ideal for integration into devices where space is at a premium.

Quick and Easy 1D Scanning.

Leveraging its CCD sensor, the EM1365-EX can reach up to 300 successful scans per second. Whether printed on paper, plastic, or shown on a mobile screen, all common 1D barcodes are captured efficiently and effectively.

A True Allrounder.

Designed and built to match a wide range of scanning applications, this high performance 1D engine can be easily integrated into various solutions. From customer-facing to staffed operations and from large stationary hardware like ticketing machines to small and portable mobile computers.

Processing Power.

Running on a powerful processor, the EM1365-EX offers the flexibility to adapt firmware to your environment and application in a quick and simple way.

2 Years Full
Warranty

TECHNICAL SPECIFICATIONS

EM1365-EX

Data Capture

1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, GS1 Databar, Code 128, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, Code 39, Code 11, MSI-Plessey, Code 93, Plessey
Decode Rate	300 times per second (max.)
Depth of Field Code 39 (5mil)	90 mm - 190 mm
Depth of Field EAN 13 (13mil)	60 mm - 600 mm
Field of View Horizontal	43°
Illumination	Red LED (620nm-630nm)
Image Sensor	2500 CCD

Minimal Print Contrast	30%
Resolution	≥3mil
Scan Angle Pitch	±65°
Scan Angle Skew	±65°

Physical

Current @ 3.3VDC Operating	21 mA (typical), 88 mA (max)
Current @ 3.3VDC Standby	10 mA
Dimensions	28.2(W) × 21.6(D) × 8.6(H) mm
Input Voltage	3.3 VDC ±5%
Interfaces	TTL-232, USB 1.1
Power Consumption	69 mW (typical)
Weight	5.7 g

Environmental

Ambient Light	0 to 100,000 lux (natural light)
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)

Software

Configuration Tools	EasySet
---------------------	---------

Certifications

Certifications Hardware	CE EMC Class B, FCC Part15 Class B
-------------------------	------------------------------------

Warranty

Warranty Standard	2 Years
-------------------	---------

Accessories

Accessories Optional	USB cable, RS-232 cable, Adapter
----------------------	----------------------------------

Newland AIDC EMEA

Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

Specifications are subject to change without notice
© Newland AIDC EMEA 2026 - All rights reserved