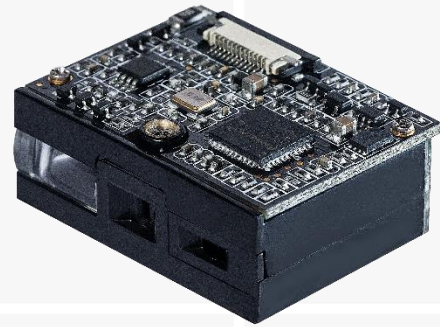
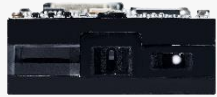
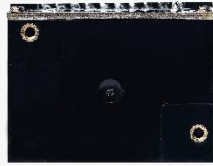




**Newland AIDC**  
Scanning Made Simple



# NLS-EM1365-LD

## OEM SCAN ENGINE

## FEATURES

### ○ **UIMG® Technology**

The NLS-EM1365-LD's core technology **UIMG®** is independently developed by Newland, comprising optical system, digitizer, decoder, image processor and embedded system. The device demonstrates an unprecedented decoding capability on all mainstream ID symbologies.

### ○ **Easy to use**

Simple parameter configuration.

### ○ **Two-In-One Design**

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

### ○ **Low power consumption**

The scan engine provides a laser-generated crosshair aiming pattern that is clear and bright even in bright sunlight, ensuring first time accurate aim.



ID Barcode



RS232



USB

# NLS-EM1365-LD

## Performance

Image Sensor		1500 Linear imager
Illumination		LED (610nm ~ 640nm)
Symbologies	ID	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, GSI Databar, Code 39, Code 11, MSI-Plessey, Plessey.
Resolution*		≥4mil
Typical Depth of Field*	EAN-13	55mm ~ 450mm (13mil)
	Code 39	70mm~155mm (5mil)
Min. Symbol Contrast*		30%
Scan Angle**		Roll: 360°, Pitch: ±60°, Skew: ±60°
Field of View		Horizontal 42°, Vertical 28°

## Physical

Interface		TTL-232, USB1.1
Operating Voltage		3.3VDC±5%
Rated Power Consumption		71.1mW (typical)
Current@5VDC	Operating	21.6mA (typical), 53.9mA (max.)
	Idle	10.6mA
Dimensions		28.3(W)×22.0(D)×11.8(H)mm
Weight		6.0g

## Environmental

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

## Certificates

Certificates & Protection	FCC Part15 Class B; CE EMC Class B, RoHS
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## Accessories

NLS-EVK		Software development board, equipped with a trigger button, beeper and RS-232 & USB interfaces.
Cable	RS-232 Cable	Used to connect the NLS-EVK to a host device; equipped with a power connector.
	USB Cable	Used to connect the NLS-EVK3000 to a host device.
Power Adapter		DC5V power adapter, used to provide power for the NLS-EVK.

\*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.

\*\*Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.1

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