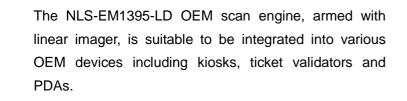


## NLS-EM1395-LD OEM Scan Engine



The NLS-EM1395-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 1D symbologies.

The NLS-EM1395-LD supports 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.

## **Features:**

- Two-In-One Design: Seamless integration of imager and decoder board makes the scan engine small, lightweight and easy for integration.
- Superior performance: The scan engine 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: Simple parameter configuration.

## **NLS-EM1395-LD Specifications**

Performance		
Interface		TTL-232, USB1.1
Image Sensor		Linear imager
Resolution		1500
Scan Rate		300 scans per second
		EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93,
Symbologies		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
Reading Precision		≥ 4mil
Light Source		LED (622 nm ~ 628 nm)
Depth of Field*		EAN-13 (10mil): 50mm~510mm
		EAN-13 (13mil): 55mm~620mm
Scan Angle**	Pitch	±60°@ 0°Roll and 0°Skew
	Roll	±30°@ 0°Pitch and 0°Skew
	Skew	±60°@ 0°Roll and 0°Pitch
Symbol Contrast		≥ 30% reflectance difference
Mechanical/Electrical		
Rated Power Consumption		0.21W
Operating Voltage		3.0 ~3.6 VDC
Current @ 3.3VDC	Operating Current	65mA
	Standby Current	9mA
Dimensions		21.57(W)×18.62(D)×11.90(H)mm
Weight		4.5g
Environmental		
Operating Temperature		-20°C ~ +60°C
Storage Temperature		-40°C ~ +85°C
Humidity		5% ~ 95% (non-condensing)
Ambient Light		0 ~ 100,000 LUX
Certifications		
FCC Part15 Class B;	CE EMC Class B	
Accessories		
NLS-EVK3000		Software development board, equipped with a trigger button, beeper and
		RS-232 & USB interfaces.
Cable	RS-232 Cable	Used to connect the NLS-EVK3000 to a host device; equipped with a power
		connector.
	USB Cable	Used to connect the NLS-EVK3000 to a host device.
Power Adapter		Used to provide power for the NLS-EVK3000.
i vivei Auaptei		Output: DC5V, 2A; Input: AC100~240V, 50~60Hz.
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\* Test conditions: T=23 °C, Illumination=300 LUX

\*\* Test conditions:

Code 39, 3 Bytes; Resolution=10mil; W:N=3:1; PCS=0.8; Barcode Height=11mm; Scan Distance=120mm, T=23°C, Illumination=300 LUX

## **Contact Us**

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