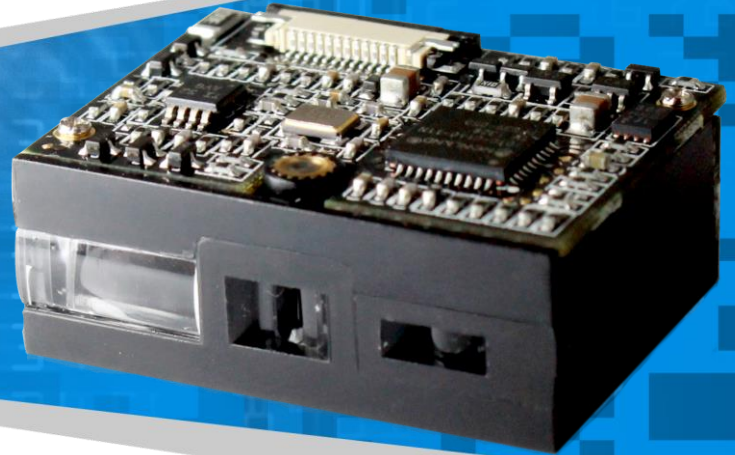




## NLS-EM1365-LD

### 1D CCD OEM Scan Engine



#### Brief Overview:

The NLS-EM1365-LD OEM scan engine is can integrated into various OEM devices including kiosks, ticket validators and PDAs.

Due to its lightweight, solid state build and low power consumption the engine is easy to integrate and ideal for portable scanning devices.

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 1D symbologies.

#### Features:

- **Two-In-One Design:**  
Seamless integration of imager and decoder board makes the scan engine small, lightweight and easy to integrate.
- **Superior performance:**  
The NLS-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.

## NLS-EM1365-LD Specifications

Performance		
Interface	TTL-232, USB1.1	
Image Sensor	Linear imager	
Resolution	1500	
Scan Rate	300 scans per second	
Symbologies	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.	
Reading Precision	≥ 4mil	
Light Source	LED (610nm ~ 640nm)	
Depth of Field*	Code 39 (5mil): 65mm~175mm EAN-13 (13mil): 55mm ~ 605mm	
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	0.20W	
Operating Voltage	3.0 ~ 3.6VDC	
Current @ 3.3VDC	Operating Current	60mA
	Standby Current	25mA
Dimensions	28.25(W)×21.99(D)×11.75(H)mm	
Weight	6.0g	
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 Adaptor	Used to provide power for the NLS-EVK3000. Output: DC5V, 2A; Input: AC100~240V, 50~60Hz.	

\* 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:

Newland EMEA  
+31(0) 345 87 00 33  
[info@newland-id.com](mailto:info@newland-id.com)

Newland Nordic  
+46 (0) 708 847 767  
[Goeran@newland-id.com](mailto:Goeran@newland-id.com)

Newland South Africa Division  
+27 (0)11 553 8010  
[info@newland-id.co.za](mailto:info@newland-id.co.za)  
[www.newland-id.com](http://www.newland-id.com)

Newland UK Branch  
+44 (0) 1442 212 020  
[info@newland-id.co.uk](mailto:info@newland-id.co.uk)

Newland France Branch  
+33 (0) 160 707 974  
[info@newland-id.fr](mailto:info@newland-id.fr)

Newland Middle East Branch  
+96 (0) 655 500 9610  
[shuja.rahman@newland-id.com](mailto:shuja.rahman@newland-id.com)

Newland D-A-CH  
+49 (0) 294 298 76758  
[info@newland-id.de](mailto:info@newland-id.de)

Newland Italy Branch  
+39 (0) 335 773 0521  
[Cristiano@newland-id.com](mailto:Cristiano@newland-id.com)

