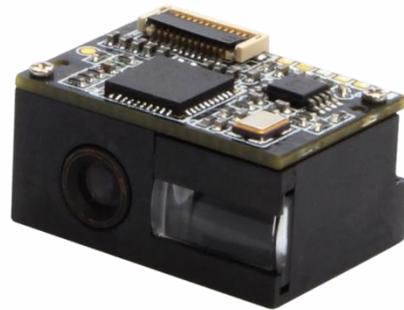
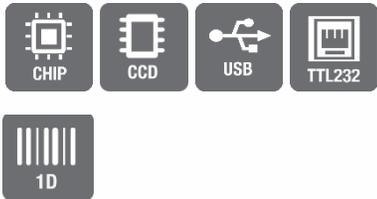


NLS-EM1399-LD

OEM Scan Engine



Features

■ UIMG® Technology

Built with Newland's fifth-generation of **UIMG®** technology, the scan engine can decode even poor quality barcodes with ease.

■ Superior Reading Performance

The NLS-EM1399-LD offers snappy, high-resolution reading capability on all mainstream 1D symbologies.

■ Multiple Interfaces

The NLS-EM1399-LD supports USB and TTL-232 interfaces to meet diverse customer needs.

■ All-in-One Design

Seamless integration of image sensor and decoder board makes the scan engine small, lightweight and easy to be integrated into space-constrained equipment.

■ Outstanding Power Efficiency

The advanced **NLD** technology incorporated in the scan engine helps reduce the power consumption and prolong the service life of the device.

Application Scenarios (as an accessory)

PDA's, POS terminals, tablets, portable devices, etc.

NLS-EM1399-LD

SCANNING MADE SIMPLE

OEM Scan Engine

Performance	Image Sensor	2500-pixel linear imager	
	Illumination	Red LED (612nm-624nm)	
	Aiming	Red LED (612nm-624nm)	
	Max. Scan Speed	300 scans per second	
	Symbologies	1D 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, etc.	
	Resolution*	≥3mil	
	Typical Depth of Field*	Code 39	70mm-190mm (5mil)
		EAN-13	50mm-450mm (13mil)
		Code 128	45mm-430mm (10mil)
	Symbol Contrast*	≥20%	
Scan Angle**	Pitch: ±55°, Skew: ±60°		
Mechanical/	Interface	TTL-232, USB	
Electrical	Rated Power Consumption	86mW (typical)	
	Operating Voltage	3.3VDC±5%	
	Current@3.3VDC	Operating	26mA (typical), 76mA (max.)
		Standby	10.4mA
	Dimensions	21.5(W)×15.3(D)×11.9(H)mm	
Weight	5g		
Certifications		FCC Part15 Class B, CE EMC Class B	
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	
Accessories	NLS-EVK	Software development board, equipped with a trigger button, beeper and RS-232 & USB interfaces.	
	Cable	USB	Used to connect the NLS-EVK to a host device.
		RS-232	Used to connect the NLS-EVK 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 barcodes made by Newland.

**Test conditions: Barcode Height=40mm; Scan Distance=(min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

1D: Code 128; 5 Bytes; Resolution=10mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.0

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