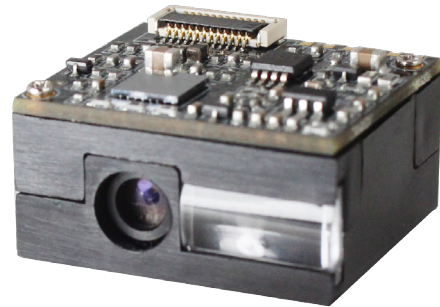


EM1395

OEM Scan Engine



Features

◆ Progressive technology.

The EM1395'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.

◆ Two-In-One Design.

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

◆ Superior performance.

The EM1395 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.

Application Scenarios

Designed for OEM applications, this high performance CCD scan engine can easily be integrated into various solutions such as kiosks, ticketing machines, PDA's and many more.

EM1395

OEM Scan Engine

Product	Interface	TTL-232, USB1.1		
Performance	Image Sensor	Linear imager		
	Resolution	1500		
	Scan Rate	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	
	Reading Precision	≥ 4mil		
	Light Source	LED (622nm ~ 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	65mA	
		Standby	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	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. Output: DC5V, 2A; Input: AC100~240V, 50~60Hz.		

Specifications are subject to change without notice.

Version: V1.0

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

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

Newland UK
+44 (0) 1442 212 020
sales@newland-id.co.uk

Newland Nordic & Baltic
+46 (0) 708 847 767
nordic@newland-id.com

Newland Ibérica
+34 (0) 93 303 74 66
info@newland-id.es

Newland France
+31 (0) 345 87 00 33
france@newland-id.com

Newland Middle East
+31 (0) 345 87 00 33
middleeast@newland-id.com

Newland South Africa
+27 (0) 11 553 8010
info@newland-id.co.za

Newland Italy
+39 (0) 342 056 2227
italy@newland-id.com

Newland Russia
+31 (0) 345 87 00 33
russia@newland-id.com