



**EM1365-LD**  
OEM scan engine



## FEATURES

### Progressive technology.

The EM1365'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 EM1365 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.

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 (610nm ~ 640 nm)
	Depth of Field*		Code39 (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	
Operating Voltage		3.0 ~3.6 VDC	
	Current @ 3.3VDC	Operating	60mA
		Standby	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	EVK3000		Software development board, equipped with a trigger button, beeper and RS-232 & USB interfaces.
	Cable	RS-232 Cable	Used to connect the EVK3000 to a host device; equipped with a power connector.
		USB Cable	Used to connect the EVK3000 to a host device.
	Power Adapter		Used to provide power for the 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

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

**D-A-C-H**  
+49 (0) 6182 82916-16  
info@newland-id.de

**United Kingdom**  
+44 (0) 1442 212020  
sales@newland-id.co.uk

**France**  
+39 (0) 345 8804096  
france@newland-id.com

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

**Benelux**  
+31 (0) 345 87 00 33  
benelux@newland-id.com

**Turkey**  
+90 (0) 544 538 40 49  
turkey@newland-id.com

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

**Middle East**  
+39 (0) 345 8804096  
middleeast@newland-id.com

**Italy**  
+39 (0) 342 0562227  
italy@newland-id.com

**South Africa**  
Gauteng: +27 (0) 11 553 8010  
Cape Town: +27 (0) 21 9140819  
info@newland-id.co.za

**Nordic & Baltic**  
+46 (0) 70 88 47 767  
nordic@newland-id.com

**Iran**  
+90 (0) 544 538 40 49  
iran@newland-id.com