Newland
SCANNING MADE SIMPLE

1D & 2D | CMOS | CPU | Superior | Megapixel | LED aimer

Dual Interface | EasySet | Warranty 2 Years | USB

EM2037V4

OEM Scan Engines

Features

6th Generation UIMG Technology.
The EM2037 is armed with Newland's latest generation scanning technology. Sporting a new decoding algorithm on its CPU processor, the engine delivers excellence no matter what code it's faced with. Additionally, it allows the firmware to be adapted to your specific environment and application.

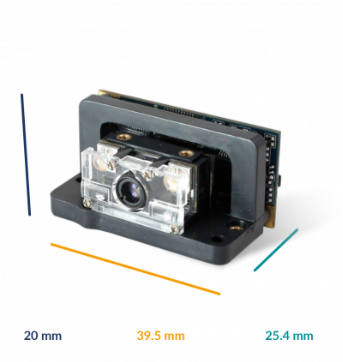
Advanced Megapixel Technology.
Thanks to advanced megapixel imaging technology, the EM2037 captures high-resolution images with impressive speed and ease. It is particularly suited for scanning from a screen. Additionally OCR, high-density, dual barcodes and DotCode prove no challenge for this flagship scan engine.

Customizable Lenses.
The EM2037 offers a choice of Standard Range (SR) or High Density (HD) lens. This allows you to match the engine configuration to your scanning distance requirements.

Intelligent Sensors.
The EM2037's innovative AEC (Automatic Exposure Control) sensor automatically adjusts to optimal light conditions. This ensures high-contrast images when reading off mobile screens or in dark environments.

Direct Connection to PC.
The EM2037 is set up with an additional 5-pin connector on its decoder board. This way, you can directly connect the engine to your computer via a universal USB interface.

EasySet Configuration.
The EM2037 is compatible with our master configuration software EasySet. Built for Windows OS, this software is a useful tool to integrators for building and testing configurations, cloning and deploying configurations, and updating scanner firmware.



Suggested industries

Healthcare | Industrial | Manufacturing | Parking

EM2037V4 Technical specifications

Data Capture	
1D	All major 1D symbologies, including EAN-8, EAN-13, UPC-E, UPC-A, Code 128, UCC/EAN128, I2Of5, ITF-14, ITF-6,Matrix 25, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25, Standard 25,Plessey, Code11, MSI-Plessey, UCC/EAN Composite, GS1 Databar, China Post 25,Code 49, Code 16K.
2D	All major 2D symbologies, including PDF 417, QR Code, Micro QR, Data Matrix, Aztec, Maxicode,Chinese Sensible Code, GM Code, Micro PDF417 Code, Code One.
Image Sensor	1280 * 800 CMOS
Illumination	Red LED
Aiming	Red LED
Depth of Field EAN 13 (13mil)	SR: 55mm-365mm
Depth of Field Code 39 (3.3mil)	HD: 50mm-90mm
Depth of Field Code 39 (5mil)	SR 70mm-180mm HD: 50mm-105mm
Depth of Field PDF417 (5mil)	HD: 45mm-95mm
Depth of Field PDF417 (6.67mil)	SR: 55mm-175mm
Depth of Field DataMatrix (6.7mil)	HD: 45mm - 75mm
Depth of Field DataMatrix (10mil)	SR: 55mm-220mm
Performance	
Minimal Print Contrast	25%
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Field of View Horizontal	39°
Field of View Vertical	24°
Physical	
Dimensions (mm)	39.5(W)×25.4(D)×20(H)mm (max.)
Weight	11g
Material	PC,PMMA
Interfaces	TTL-232, USB
Input Voltage	3.3VCD via 12-pin FPC; 5VCD via 5-pin box connector
Current @ 5VDC Operating	276.6mA (typical), 332.3mA (max.)
Current @ 5VDC Standby	57.4mA (typical)
Power Consumption	1456.5mW (typical)
Power Supply Input	DC5V, 1.5A
Power Supply Output	AC100~240V, 50~60Hz
Environmental	
Ambient Light	0~100,000lux (natural light)
Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

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Specifications are subject to change without notice

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Humidity	5%~95% (non-condensing)
Accessories	
Standard	75mm flexible flat cable (FFC)
Optional	EVK2037, RS232 Cable, Adapter, USB Cable
Software	
Configuration Tools	EasySet
Certifications	
Hardware	CE EMC Class B, RoHS, IEC62471, FCC Part15 Class B
Warranty	
Standard	2 years

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