



1D



2D



CMOS



Dual
Interface



Warranty
2 Years



CPU



EM27

OEM Scan Engines

Features

6th Generation UIMG Technology

The EM27 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 facing. Additionally, it allows the firmware to be adapted to your specific environment and application.

Optimized for On-Screen codes

The EM27 is ready for any smartphone or tablet presented to it. The wide scan angle and optimization for near-distance scanning match the intuitive way end-users present their device to a scanner. This keeps lines moving and operations running smoothly.

Super Slim Form Factor

As Newland's smallest customer-facing scanner yet, the EM27 is perfect for integration into slim, modern designs.

EasySet Configuration.

The EM27 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



Gaming



Healthcare



Hospitality



Parking



Retail



EM27 Technical specifications

Data Capture

1D	Code 128, UCC/EAN128, AIM128, EAN-8, EAN-13, ISSN/ISBN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Standard 25, CodaBar, Industrial 25, Code 39, Code 93, Code 11, Plessey, MSI-Plessey, GS1-128 (UCC/EAN-128), GS1-Databar™ (RSS) (RSS14, RSS-Limited, RSS-Expand, Matrix 2 of 5)
2D	PDF 417, Micro PDF 417, QR Code, Micro QR, Data Matrix, Aztec, Maxicode
Image Sensor	640x480 CMOS
Illumination	White LED
Depth of Field EAN 13 (13mil)	40mm-90mm
Depth of Field Code 39 (5mil)	25mm-70mm
Depth of Field PDF417 (6.67mil)	32mm-55mm
Depth of Field DataMatrix (10mil)	35mm-60mm
Depth of Field QR (15mil)	15mm-75mm

Performance

Minimal Print Contrast	25%
Scan Angle Roll	360°
Scan Angle Pitch	±60°
Scan Angle Skew	±60°
Field of View Horizontal	68°
Field of View Vertical	51°
Motion Tolerance	1.0 m/s

Physical

Dimensions (mm)	With foam: 55.0 (W) x 34.4 (D) x 13.2 (H)mm (max), With Glass: 55.0 (W) x 34.4 (D) x 12.7 (H)mm (max)
Weight	14.2g (With Foam), 17.9g (With Glass)
Interfaces	RS-232, USB
Notifications	Beeper
Input Voltage	5VDC±5%
Current @ 5VDC Operating	196mA (typical), 616mA (max)
Current @ 5VDC Standby	35mA
Power Consumption	980mW (typical)

Environmental

Ambient Light	0~100,000lux (natural light)
Operating Temperature	-20°C to 60°C
Storage Temperature	-40°C to 70°C
Humidity	5% to 95% (non-condensing)

Accessories

Optional	8-PIN USB cable 1,0m or 8-PIN RS232 cable 1,0m
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Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

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Certifications

Hardware	FCC Part15 Class B, CE EMC Class B, RoHS
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