Newland AIDC
SCANNING MADE SIMPLE

EM2037 V5

Tarama Motorları



1D & 2D | AI-Powered Barcode Detection | CMOS | Compact Size | DPM | EasySet

LED Aimer | Megapixel | OCR | Superior Level | TTL-232 | USB

Warranty 2 Years





Features

6th Generation UIMG Technology.
Using Newland's advanced UIMG scanning technology, the EM2037 V5 offers exceptional performance in scanning both 1D barcodes and 2D codes, even if they are damaged or located on reflective and curved surfaces.

Megapixel Imaging and OCR.
The EM2037 V5 is equipped with advanced Megapixel imaging technology, enabling it to capture high-resolution images and barcodes quickly and easily. Additionally, it features cutting-edge OCR technology, enabling it to scan and accurately extract text. This makes the device ideal for applications that require precise data capture from IDs and documents.

AI-Powered Barcode Detection.
The EM2037 V5 is equipped with Newland's AI-Powered Barcode Detection technology, which is also found in several handheld and fixed-mount scanners in Newland's range. This advanced technology enables rapid, accurate, and reliable barcode decoding. By utilizing computer vision and self-learning capabilities, the scan engine efficiently analyzes images to detect, locate, and read barcodes. The self-learning feature enables automatic adjustments across various scenarios, enhancing the EM2037 V5's barcode decoding performance and speed.

Two Lens Configurations.
The EM2037 V5 comes in two versions: one with a Standard Range (SR) lens and another with a High Density (HD) lens. This option allows you to select the version that best suits your application's scanning requirements.

Host Interfaces and Development Tools.
The EM2037 V5 supports both USB and TTL-232 interfaces, enabling the engine to meet a variety of customer needs. It comes with an SDK and APIs that empower software developers to create their own applications. These features highlight the flexibility of the scanning engine, which is utilized across a wide range of applications.

Compact Split-Type Design.
The EM2037 V5 features a split-type design, with the imager and decoder board separated. This makes it ideal for various applications. Its compact, lightweight design ensures the scan engine can adapt to the host system, rather than requiring the host to accommodate it.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

EM2037 V5

Veri Yakalama

1D	EAN 8, EAN 13, UPC E, UPC A, Code128, UCC/EAN128, I2Of5, Matrix 25, ITF14, ITF6, CodaBar, Code39, Code93, ISSN, ISBN, Code 49, Code11, Standard25, Industrial25, MSI Plessey, China Post 25, GS1 Databar, UCC/EAN Composite, Plessey, Code 16K
2D	PDF417, QR Code, Micro QR, DataMatrix, Aztec, MaxiCode, GM Code, Chinese Sensible Code, MicroPDF417 Code, Code One
Hedefleme	Kırmızı LED, Yeşil LED
Alan Derinliği Code 39 (5mil)	SR: 60 mm - 260 mm; HD: 40 mm - 130 mm
Alan Derinliği Data Matrix (10mil)	SR: 55 mm - 220 mm; HD: 35 mm - 125 mm
Alan Derinliği EAN13 (13mil)	SR: 60 mm - 460 mm; HD: 55 mm - 180 mm
Alan Derinliği PDF417 (6.7mil)	SR: 60 mm - 215 mm; HD: 35 mm - 120 mm
Alan Derinliği QR (15mil)	SR: 25 mm - 300 mm; HD: 25 mm - 160 mm
Digimarc	Digital watermark technology
Yatay Görüş Alanı	48˚
Dikey Görüş Alanı	31˚
Aydınlatma	Beyaz LED
Görüntü Sensörü	1280 x 800 CMOS
Minimum Baskı Kontrastı	25%
OCR	Default OCR: Passport; Optional OCR: date and general alphanumeric recognition Chinese ID Card, and China Travel Permit OCR.
Posta	USPS Portnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal, Japan Post
Çözünürlük	≥3mil
Tarama Açısı Aralığı	±55˚
Tarama Yatış Açısı	360˚
Verev Tarama Açısı	±55˚

Fiziksel

5VDC Çalışma akımı	300 mA (typical), 696 mA (max.)
5VDC Bekleme akımı	92 mA (typical)
Boyutlar (mm)	39.5(W) × 25.4(D) × 20(H) mm (max.)
Giriş Gerilimi	12 pimli FPC konektörü: 3,3–5 VDC ±%5, 8 pimli DuPont konektörü: 3,3–5 VDC ±%5
Arayüzler	USB, TTL-232
Ağırlık	11 g

Çevresel

Ortam Işığı	0 ila 100.000 lüks (doğal ışık)
Nem	%5 ila %95 (yoğuşmasız)
Çalışma Sıcaklığı	-20 °C ile 60 °C (-4 °F ile 140 °F)

Depolama Sıcaklığı	-40 °C ile 70 °C (-40 °F ile 158 °F)

Yazılım

Yapılandırma Araçları	EasySet

Sertifikalar

Sertifikalar Donanım	FCC Part15 Class B, CE EMC Class B

Garanti

Garanti Koşulları	2 yıl

Aksesuarlar

Opsiyonel aksesuarlar	Yazılım geliştirme kartı, USB kablosu, RS-232 kablosu

Newland AIDC EMEA
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Newland AIDC EMEA
Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

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