Newland AIDC
SCANNING MADE SIMPLE

EM2037 V5

модули сканирования



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

Считывание данных

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
Нацеливание	Красный светодиод, Зеленый светодиод
Диапазоны декодирования Code 39 (5мил)	SR: 60 mm - 260 mm; HD: 40 mm - 130 mm
Диапазоны декодирования Data Matrix (10мил)	SR: 55 mm - 220 mm; HD: 35 mm - 125 mm
Диапазоны декодирования EAN13 (13 мил)	SR: 60 mm - 460 mm; HD: 55 mm - 180 mm
Диапазоны декодирования PDF417 (6.7мил)	SR: 60 mm - 215 mm; HD: 35 mm - 120 mm
Диапазоны декодирования QR (15мил)	SR: 25 mm - 300 mm; HD: 25 mm - 160 mm
Digimarc	Digital watermark technology
Горизонтальное поле обзора	48˚
Вертикальное поле обзора	31˚
Подсветка	Белый светодиод
Датчик сканера	1280 x 800 CMOS
Минимальный контраст печати	25%
OCR	Default OCR: Passport; Optional OCR: date and general alphanumeric recognition Chinese ID Card, and China Travel Permit OCR.
Почтовый	USPS Portnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal, Japan Post
Разрешение	≥3mil
Наклон по вертикали	±55˚
Боковой наклон	360˚
Наклон по горизонтали	±55˚

Физические характеристики

5 В постоянного тока в режиме эксплуатации	300 mA (typical), 696 mA (max.)
5 В постоянного тока в режиме ожидания	92 mA (typical)
Размеры (мм)	39.5(W) × 25.4(D) × 20(H) mm (max.)
Входное напряжение	12-контактный разъем FPC: 3,3–5 В постоянного тока ±5 %, 8-контактный разъем DuPont: 3,3–5 В постоянного тока ±5 %
Интерфейсы	USB, TTL-232
Вес	11 g

ЕЭкологический

Окружающее освещение	от 0 до 100 000 люкс (естественное освещение)
Влажность	От 5 % до 95 % (без конденсации)
Рабочая температура	от -20 °C до 60 °C (от -4 °F до 140 °F)

Температура хранения	от -40 °C до 70 °C (от -40 °F до 158 °F)

Программное обеспечение

Инструменты настройки	EasySet

Сертификаты

Сертификаты Оборудование	FCC Part15 Class B, CE EMC Class B

Гарантия

Стандартная гарантия	2 года

Аксессуары

Дополнительные аксессуары	Плата для разработки программного обеспечения, USB-кабель, RS-232 длиной

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

Specifications are subject to change without notice
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