Newland AIDC
SCANNING MADE SIMPLE

EM2037 V5

Motores de escaneado



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

Captura de datos

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
Puntero	LED rojo, LED verde
Profundidad de campo Code 39 (5mil)	SR: 60 mm - 260 mm; HD: 40 mm - 130 mm
Profundidad de campo Data Matrix (10mil)	SR: 55 mm - 220 mm; HD: 35 mm - 125 mm
Profundidad de campo EAN 13 (13 mil)	SR: 60 mm - 460 mm; HD: 55 mm - 180 mm
Profundidad de campo PDF417 (6.7mil)	SR: 60 mm - 215 mm; HD: 35 mm - 120 mm
Profundidad de campo QR (15mil)	SR: 25 mm - 300 mm; HD: 25 mm - 160 mm
Digimarc	Digital watermark technology
Campo de visión horizontal	48˚
Campo de visión vertical	31˚
Iluminación	LED blanco
Sensor de imagen	1280 x 800 CMOS
Contraste de impresión mínimo	25%
OCR	Default OCR: Passport; Optional OCR: date and general alphanumeric recognition Chinese ID Card, and China Travel Permit OCR.
Postal	USPS Portnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal, Japan Post
Resolución	≥3mil
Inclinación del ángulo de escaneado	±55˚
Balanceo del ángulo de escaneado	360˚
Sesgo del ángulo de escaneado	±55˚

Físico

Corriente en funcionamiento @ 5 VDC	300 mA (typical), 696 mA (max.)
Corriente en espera @ 5 VDC	92 mA (typical)
Dimensiones (mm)	39.5(W) × 25.4(D) × 20(H) mm (max.)
Tensión de entrada	Conector FPC de 12 pines: 3,3-5 VCC ±5 %, Conector DuPont de 8 pines: 3,3 y 5 VCC ±5 %
Interfaces	USB, TTL-232
Peso	11 g

Medioambiental

Iluminación ambiental	De 0 a 100 000 lux (luz natural)
Humedad	5 % al 95 % (sin condensación)
Temperatura de funcionamiento	De -20 °C a 60 °C (de -4 °F a 140 °F)

Temperatura de almacenamiento	De -40 °C a 70 °C (de -40 °F a 158 °F)

Software

Herramientas de configuración	EasySet

Certificados

Certificaciones Hardware	FCC Part15 Class B, CE EMC Class B

Garantía

Garantía estándar	2 años

Accesorios

Accesorios opcionales	Placa de desarrollo de software, Cable USB, Cable RS-232

Newland AIDC EMEA
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Newland AIDC EMEA
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