Newland AIDC
SCANNING MADE SIMPLE

EM2037 V5

Motori di scansione



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

Capacità di decodifica

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
Puntatore	LED rosso, LED verde
Profondità di campo Code 39 (5mil)	SR: 60 mm - 260 mm; HD: 40 mm - 130 mm
Profondità di campo Data Matrix (10mil)	SR: 55 mm - 220 mm; HD: 35 mm - 125 mm
Profondità di campo EAN 13 (13 mil)	SR: 60 mm - 460 mm; HD: 55 mm - 180 mm
Profondità di campo PDF417 (6.7mil)	SR: 60 mm - 215 mm; HD: 35 mm - 120 mm
Profondità di campo QR (15mil)	SR: 25 mm - 300 mm; HD: 25 mm - 160 mm
Digimarc	Digital watermark technology
Campo di visuale orizzontale	48°
Campo di visuale verticale	31°
Illuminazione	LED bianco
Sensore immagine	1280x800 CMOS
Contrasto di stampa minimo	25%
OCR	Default OCR: Passport; Optional OCR: date and general alphanumeric recognition Chinese ID Card, and China Travel Permit OCR.
Postale	USPS Portnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal, Japan Post
Risoluzione	≥3mil
Angolo di scansione Pitch	±55°
Angolo di scansione Roll	360°
Angolo di scansione Skew	±55°

Caratteristiche fisiche

Corrente in esercizio @ 5VDC	300 mA (typical), 696 mA (max.)
Corrente in standby @ 5VDC	92 mA (typical)
Dimensioni (mm)	39.5(W) × 25.4(D) × 20(H) mm (max.)
Tensione in ingresso	Connettore FPC a 12 pin: 3,3-5 V CC ±5%, Connettore DuPont a 8 pin: 3,3–5 V CC ±5%
Interfacce	USB, TTL-232
Peso	11 g

Ambientale

Luce ambientale	Da 0 a 100.000 lux (luce naturale)
Umidità	Da 5% a 95% (senza condensa)
Temperatura di esercizio	da -20 °C a 60 °C (da -4 °F a 140 °F)

Temperatura di stoccaggio	da -40 °C a 70 °C (da -40 °F a 158 °F)

Software

Tools per la configurazione	EasySet

Certificazioni

Certificazioni Hardware	FCC Part15 Class B, CE EMC Class B

Garanzia

Garanzia standard	2 anni

Accessori

Accessori opzionali	Scheda per lo sviluppo di software, Cavo USB, Cavo RS-232

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