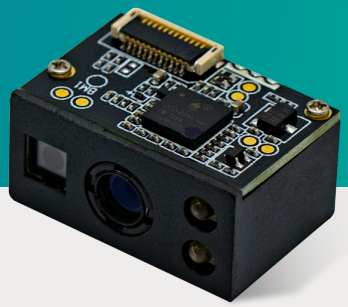
Newland AIDC
SCANNING MADE SIMPLE



EM3396V2

Scan Engines

1D & 2D | Chip | CMOS | Compact Size | Dual Interface | EasySet

Laser Aimer | Red Illumination | Standard Level | Warranty 2 Years



Features

Newland's 6th Generation UIMG Technology.
The EM3396 is armed with Newland's latest scanning technology, including our new decoder chip 0610. By leveraging our own technology, Newland has further perfected the engine's overall value, simplicity and scan performance, supporting all common 1D, 2D and Aztec codes.

Consistent Allround Performance.
The overall scanning performance of the EM3396 is convincing from paper, plastic and smartphones alike. The engine's CMOS sensor of 752 x 480 pixels ensures consistent decoding on 1D and 2D barcodes. As a result, you can count on speed and efficiency, even when codes are underlit or damaged.

Precision Aiming.
The EM3396's highly visible laser aimer adds an extra level of user accuracy when hitting the codes you intend to scan. This visual guidance is specifically suited to improve scan precision in wearable solutions.

Optimized for Wearable Solutions.
The EM3396 can aim, illuminate and decode barcodes while drawing as little current from the host device as possible. Combined with its lightweight design and visible laser aimer make the EM3396 ideal for integration in wearable scanning solutions.

EasySet Configuration.
The EM3396 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.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

EM3396V2

Data Capture

1D	All major 1D symbologies, including Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey.
2D	All major 2D symbologies, including PDF417, Data Matrix (ECC200, ECC000, 050, 080, 100, 140), QR Code, Aztec, Chinese Sensible Code.
Aiming	Laser diode (650nm)
Depth of Field Code 39 (5mil)	55 mm - 165 mm
Depth of Field DataMatrix (10mil)	55 mm - 130 mm
Depth of Field EAN 13 (13mil)	60 mm - 290 mm
Depth of Field PDF417 (6.67mil)	55 mm - 135 mm
Depth of Field QR (15mil)	45 mm - 175 mm
Field of View Horizontal	36°
Field of View Vertical	23°
Illumination	White LED (625±10nm)
Image Sensor	752 x 480 CMOS
Minimal Print Contrast	20%
Scan Angle Pitch	±55°
Scan Angle Roll	360°
Scan Angle Skew	±55°

Performance

Decoder	ASIC (0610)

Physical

Current @ 3.3VDC Operating	116 mA (typical), 195 mA (max)
Current @ 3.3VDC Sleep	< 0,1 mA
Current @ 3.3VDC Standby	9,1 mA
Dimensions	21.5(W) × 15.3(D) × 11.8(H) mm
Input Voltage	3.3 VDC ±5%
Interfaces	RS-232, USB
Power Consumption	383 mW
Weight	5 g

Environmental

Ambient Light	0 to 100,000 lux
Humidity	5% to 95% (non-condensing)
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	CE EMC Class B, FCC Part15 Class B

Warranty

Warranty Standard	2 Years

Accessories

Accessories Optional	Software development board, RS-232 cable, Adapter
Accessories Standard	75mm flexible flat cable (FFC)

Newland AIDC EMEA
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Newland AIDC EMEA
Feel free to contact us or a partner near you.
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Specifications are subject to change without notice
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