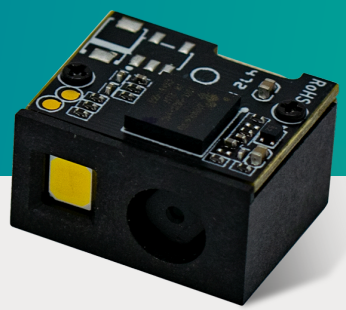
Newland AIDC
SCANNING MADE SIMPLE



EM3080-W V2

Scan Engines

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

Entry Level | Power Consumption | Warranty 2 Years | White Illumination | Wide Scan Angle



Features

Unmatched Scanning Performance
Featuring excellent near-field reading, wide-viewing angle and snappy reading, the EM3080-W V2 also offers stunning performance on decoding poor-quality and damaged barcodes.

Multiple Interfaces
The EM3080-W V2 supports USB and TTL-232 interfaces to meet diverse customer needs.

Compact & Lightweight Design
Seamless integration of imager and decoder board makes the scan engine extremely small and lightweight and easy to fit into miniature equipment.

Outstanding Power Efficiency
The advanced NLDC technology incorporated in the scan engine helps reduce its power consumption and prolong its service life.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

EM3080-W V2

Data Capture

1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GSI Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey
2D	PDF4 l 7, QR Code, Micro QR, Data Matrix, Aztec

Depth of Field EAN 13 (13mil)	40 mm - 110 mm
Depth of Field QR (15mil)	30 mm - 70 mm
Field of View Horizontal	69.5°
Field of View Vertical	54.8°
Illumination	White LED
Image Sensor	640 x 480 CMOS
Minimal Print Contrast	25%
Scan Angle Pitch	±45°
Scan Angle Roll	360°
Scan Angle Skew	±45°
Scan Modes	Manual Mode, Trigger Mode, Continuous Mode, Sense Mode
Scan Rate	30 frames per second

Performance

Decoder	ASIC (0610)

Physical

Current @ 3.3VDC Operating	55.1 mA (typical), 105 mA (max)
Current @ 3.3VDC Sleep	1 mA
Current @ 3.3VDC Standby	9,0 mA
Dimensions	15.5(W) × 13.9(D) × 9.7(H) mm
Housing	PPA
Input Voltage	3.3 VDC ±5%
Interfaces	TTL-232, USB
Power Consumption	181.8 mW (Typical)
Weight	2.2±0.2 g

Environmental

Ambient Light	0 to 100,000 lux (natural light)
Humidity	5% to 95% (non-condensing)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	FCC Part15 Class B, CE EMC Class B, RoHS

Warranty

Warranty Standard	2 Years

Accessories

Accessories Optional	Software development board
Accessories Standard	100mm 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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