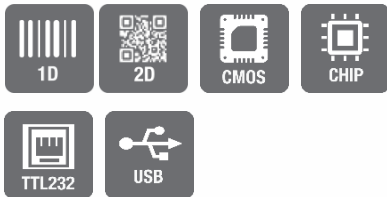


NLS-EM3080 V2

OEM Scan Engine



Features

■ Stunning Scanning Performance

Armed with Newland's sixth-generation of **UIMG[®]** technology, the NLS-EM3080 V2 can decode even poor-quality barcodes with ease.

■ Multiple Interfaces

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

■ Ultra-Compact, Ultra-Light Design

Weighing only 2.6 grams, this ultra-miniature scan engine caters to miniaturization needs of OEM applications.

■ Outstanding Power Efficiency

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

Application Scenarios (as an accessory)

PDA's, tablets, thin-and-light equipment, traditional self-service devices, etc.

NLS-EM3080 V2

SCANNING MADE SIMPLE

OEM Scan Engine

Performance	Image Sensor	640×480 CMOS		
	Illumination	617nm~634nm red LED		
	Symbolologies	2D	PDF417, QR Code, Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code	
		1D	Code 128, UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, GS1-DataBar™(RSS) (RSS-14, RSS-Limited, RSS-Expand)	
	Resolution*	≥5mil		
	Typical Depth of Field*	Code 39	65mm-100mm (5mil)	55mm-320mm (20mil)
		UPC-A	55mm-260mm (13mil)	
		PDF417	50mm-155mm (6.67mil)	
		Data Matrix	45mm-160mm (10mil)	
		QR Code	45mm-240mm (20mil)	
Min. Symbol Contrast*	25%			
Scan Angle**	Roll: 360°, Pitch: ±50°, Skew: ±50°			
Field of View	Horizontal 36°, Vertical 23°			
Mechanical/ Electrical	Interface	TTL-232, USB (HID Keyboard, COM Port Emulation, HID-POS)		
	Operating Voltage	3.3VDC±5%		
	Rated Power Consumption	281mW (typical)		
	Current@3.3VDC	Operating	85mA (typical), 124mA (max.)	
		Idle	1mA	
	Dimensions	15.6(W)×13.8(D)×9.7(H)mm (max.)		
	Weight	2.6g		
Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)		
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)		
	Humidity	5% to 95% (non-condensing)		
	Ambient Light	0~100,000lux (natural light)		
Certifications	FCC Part15 Class B, CE EMC Class B, CE FFC			
Accessories	NLS-EVK	Software development board for the NLS-EM3080 V2, equipped with a trigger button, beeper and RS-232 & USB interfaces.		
	Cable	USB	Used to connect the NLS-EVK to a host device.	
		RS-232	Used to connect the NLS-EVK to a host device.	

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

2D: QR Code: 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.0

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