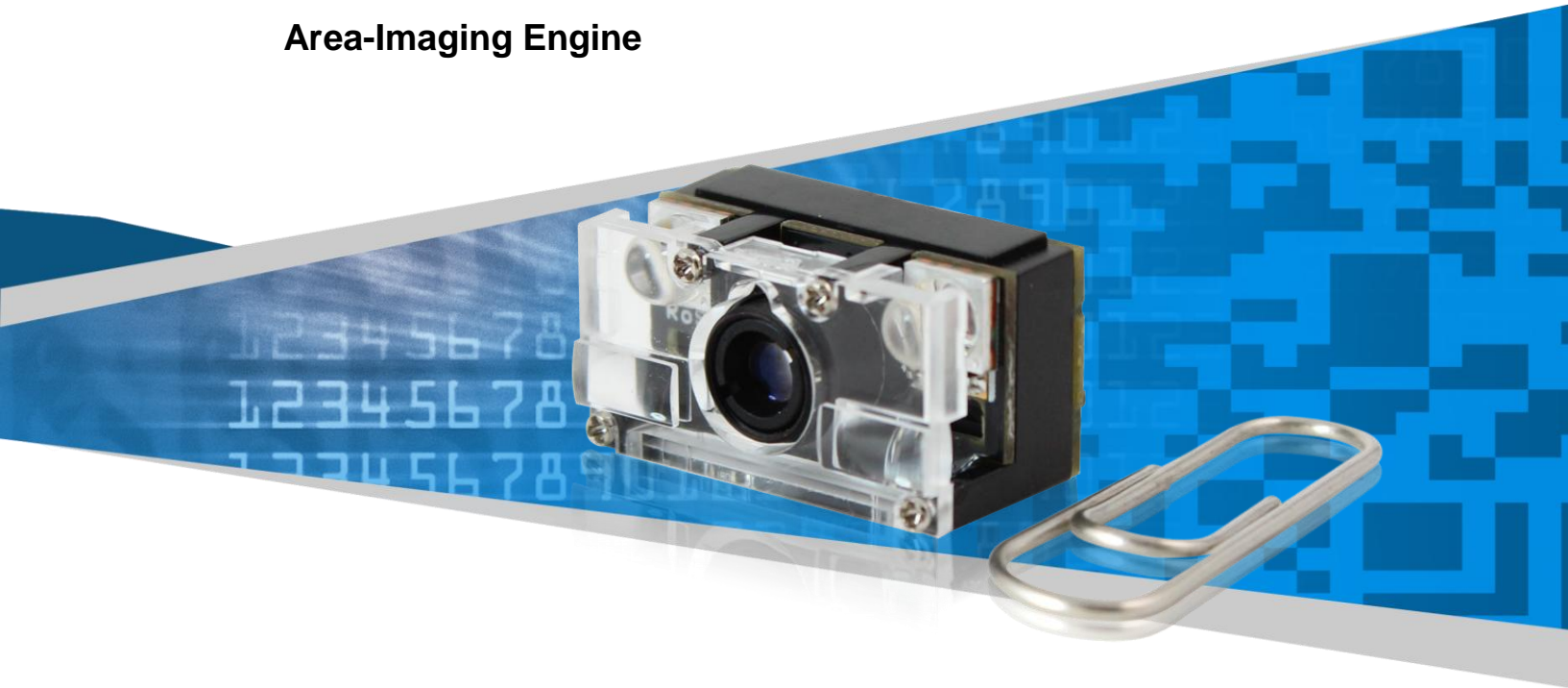


NLS-CM50 series

Area-Imaging Engine



NLS-CM50 2D area-imaging engine, with small size and superior durability, is ideal as drop-in modules for OEM applications. Combined with Newland`s decoding software, NLS-CM50 can be easily integrated into various bar code reading assemblies such as kiosks, ticket checking machines and PDAs.

Product Features

- **Ease of integration**

Its compact size (smaller than a paperclip) enables easy into various devices.

- **Advanced Technology**

It includes **UIMG**[®] core-technology which is a decoding technology independently designed and developed by Newland. It supports all 1D bar codes, most 2D bar codes and also OCR-fonts.

Specifications

Performance	
Sensor	CMOS Image Sensor
Active Pixel	752H×480V
Motion Tolerance	20 cm per second @ default mode
	30 cm per second @ optional mode
Field of View	37.5°H, 24.5°V
Illumination	625±20 nm
Aiming	625±20 nm
Reading Distance	5mil PDF417: 65~120 mm
	10mil QR: 50~150 mm
	10mil Data Matrix: 30~200 mm
	13mil UPC: 40~330 mm
Symbologies	
2D Barcode	PDF417, QR Code, Data Matrix, Chinese Sensible (Han Xin) Code, Grid Matrix, Aztec, Maxicode, UCC Composite, etc.
1D Barcode	UPC, EAN, GS1 DataBar, Code 39, Code 128, Code 93, Code 11, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, MSI/Plessey, Plessey, etc.
OCR Fonts	OCR-B (Optional)
Mechanical	
Dimensions (D×W×H)	13.6mm×20.6mm×12.0mm
Weight	4.8 g
Electrical	
Input Voltage	Imager: 3.3 VDC±5%
	Illumination & Aiming: 3.0 VDC to 6.0VDC
Current Draw	95mA, CIS @ 26MHz, 3.3VDC
	Imager
	87mA, CIS @ 20MHz, 3.3VDC
	72mA, CIS @ 14MHz, 3.3VDC
	Imager
	Average 190mA, Maximum 230 mA (all @3.3 VDC, CIS @ 26MHz,22°C)
+Illumination	Idle : 8 mA
+Aiming	Standby : < 600uA
Environmental/Other	
Operating Temperature	-10°C to 55°C
Storage Temperature	-40°C to 85°C
Humidity	5% to 95% (non-condensing)
Ambient Light	0 ~ 100,000 lux sunlight

Contact Us

Newland China

+86-400-608-0591

sales@nlscan.cn

Newland Europe

+31(0)-345-87-0033

info@newland-id.com

Newland Taiwan

+886-2-7731-5388

www.newland-id.com.tw

Newland North America

+1-510-490-3888

info@newlandna.com

www.nlscan.com



Specifications are subject to change without notice.