Designed for OEM applications, this high performance CMOS engine can easily be integrated into various solutions such as kiosks, ticketing machines, PDA’s and many more.

**Product Features**

- **Ease of integration**
  Compact (smaller than a paperclip) and easy to integrate design, image capture device with decoder on one board. The small form factor enables easy integration into various solutions.

- **Advanced Technology**
  Includes core-technology \textit{UIMG\textsuperscript{\textregistered}}, which is independently designed and manufactured by Newland Auto-ID. \textit{UIMG\textsuperscript{\textregistered}} technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. The scanner supports all global standard 1D barcode symbologies. Its’ reading performance reaches and exceeds global standards. By using the accessories provided, the user can ideally set up the scanner to its user environment.
Specifications

Image Capture
Image Sensor  
Resolution 752 × 480

Barcode Scan

2D
- PDF417, QR Code(Model 1/2), DataMatrix(ECC200, ECC000, 050, 080, 100,140), Aztec, Maxicode, LP Code, Chinese-Sensible Code

Precision
- Roll 360° @ 0°Pitch and 0° Skew
- Skew ±60° @ 0°Roll and 0° Pitch
- Pitch ±55° @ 0°Roll and 0° Skew

Depth of Scan Field
- 30 mm ~ 240 mm

PCS ≥ 30%

Sensitivity**

Illumination
Light Source LED(622 nm-628 nm)
Light Intensity 330 LUX (130 mm)
Illumination 0 ~ 100,000 LUX

Mechanical/ Electrical
Voltage
- V3.4:DC 3.3 +/- 0.3 V; V6:DC3.3 +/- 0.3V

Current
- Max 350 mA
- Working 300 mA
- Idle 60 mA

Dimensions
- 28.0×24.5×13.5 mm

Weight
- 18 g

Environment
Operating Temperature -5°C - +45°C
Storage Temperature -40°C - +60°C
Humidity 5% - 95% (non-condensing)

Certificates
- FCC Part15 Class B, CE EMC Class B

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
info@newland-id.com.tw

Newland North America
+1-510-490-3888
info@newlandna.com

Accessories

Evaluation Kit EVK3000
The Evaluation Kit for EM3000, with trigger, beep functions and USB, RS232 Interfaces.

RS232 Cable
This cable connect to the RS232 port of EVK3000 with a standard female RS232 port to connect to standard male RS232 port. With a power port to accept power adapter supply.

Flex Cable
This cable connects to the USB Slave port of EM3000 with a USB-B male port. With a standard USB Slave port to connect to standard USB Host port.

USB Cable
The power adapter for EVK3000 by RS232 Cable.
Output: DC5V, 2A; Input: AC100~240V, 50~60HZ.

Power Adapter

**Test Condition:
- Code 39: 4 Bytes; Resolution = 10mil; W:N = 3:1; PCS = 1.0;
- Barcode Height = 12mm; Distance = 100mm; T=23°C; Illumination= 200 LUX

*Specifications are subject to change without notice.*