Newland
SCANNING MADE SIMPLE

1D	Standard	CCD	Chip	Power consumption	LED aimer

TTL-232	Warranty 2 Years
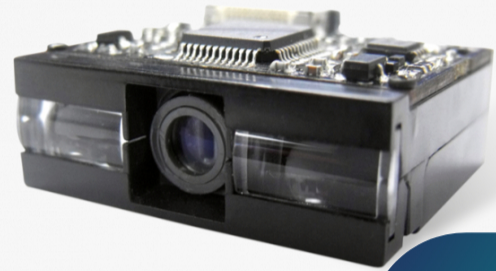
EM1300
OEM Scan Engines

Features

Easy Integration.
Seamless integration of the imager and decoder board makes the EM1300 small, lightweight and easy to fit into small-sized equipment. At only 28.2 x 23.4 x 11.2mm, it is ideal for integration into devices where space is at a premium.

Quick and Easy 1D Scanning.
Leveraging its CCD sensor, the EM1300 can reach up to 300 successful scans per second. Whether printed on paper, plastic, or shown on a mobile screen, all common 1D barcodes are captured efficiently and effectively.

A True Allrounder.
Designed and built to match a wide range of scanning applications, this high performance 1D engine can be easily integrated into various solutions. From customer-facing to staffed operations and from large stationary hardware like ticketing machines to small and portable mobile computers.

Processing Power.
Running on a powerful processor, the EM1300 offers the flexibility to adapt firmware to your environment and application in a quick and simple way.

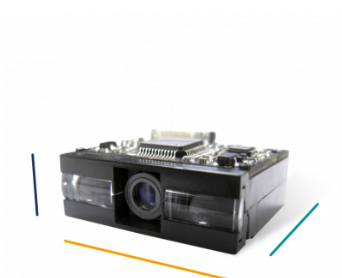## Suggested industries

Entertainment	Healthcare	Hospitality	Industrial	Retail

11.2 mm   28.2 mm   23.4 mm

Data Capture

1D	All major 1D symbologies, including Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93.
Image Sensor	CCD 2500
Illumination	LED(622 nm - 628 nm)
Scan Modes	Handheld Mode, Auto Mode, Interval Mode, Sensor Mode, Continuous Mode, Command Triggered Mode
Scan Rate	300 scans per second

Performance

Minimal Print Contrast	25%
Scan Angle Roll	30°
Scan Angle Pitch	±65°
Scan Angle Skew	±60°
Field of View Horizontal	42°
Decode Rate	200 decodes/sec (default)

Physical

Dimensions (mm)	28.2×23.4×11.2mm
Weight	6g
Material	ABS
Interfaces	TTL-232
Input Voltage	3.3VDC±5%
Current @ 3.3VDC Operating	57 mA (Typical), 89 mA (Max)
Current @ 3.3VDC Standby	28 mA
Sleep Current	11 mA
Power Consumption	188 mW

Environmental

Ambient Light	0 ~ 100,000 LUX
Operating Temperature	-20℃ - +60℃
Storage Temperature	-40℃ - +85℃
Humidity	5%~95% (non-condensing)

Accessories

Standard	75mm flexible flat cable (FFC), EVK3030-U

Certifications

Hardware	CE EMC Class B, FCC Part15 Class B

Warranty

Standard	2 years

Feel free to contact us or a partner near you

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