



# EM1300

## Scan Engines



1D



CCD



Chip



LED  
aimer



Power  
consumption



Standard

TTL-232



TTL-232  
Warranty  
2 Years



11.2 mm    28.2 mm    23.4 mm

## 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.

**2** Years Full  
Warranty

## TECHNICAL SPECIFICATIONS

# EM1300

### 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.
Decode Rate	200 decodes per second (default)
Field of View Horizontal	42°
Illumination	LED (622nm-628nm)
Image Sensor	2500 CCD
Minimal Print Contrast	25%
Scan Angle Pitch	±65°

Scan Angle Roll	30°
Scan Angle Skew	±60°
Scan Modes	Trigger Mode, Sense Mode, Continuous Mode, Auto Mode, Interval Mode, Handheld Mode
Scan Rate	300 scans per second

#### Physical

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

#### Environmental

Ambient Light	0 to 100,000 lux
Humidity	5% to 95% (non-condensing)
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)

#### Certifications

Certifications Hardware	CE EMC Class B, FCC Part15 Class B
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#### Warranty

Warranty Standard	2 Years
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#### Accessories

Accessories Standard	75mm flexible flat cable (FFC), Software development board
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#### Newland AIDC EMEA

Feel free to contact us or a partner near you.  
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