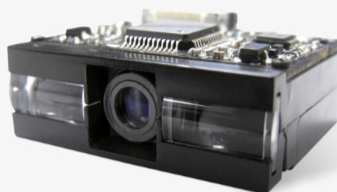# Newland
SCANNING MADE SIMPLE

1d | **ccd** | **ttl-232**

EM1300
oem scan engines

Features

Highly Integrated.

Compact (smaller than a paperclip) and highly integrated design, image capture device with decoder on the same board. Small form factor features an easy installation and variety of usages.

Advance Technology.

Thanks to the core-technology uIMG . Independent designed and manufactured by Newland Auto-ID. uIMG Technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. Supports all global standard 1D barcode symbologies. Reading performance reaches global standard. By using all the accessories provided, the EM1300 can scan all kinds of barcodes defined by customers.

Intelligent Focus.

Advanced optical focusing system which senses the ambient environment and adjusts the optical automatically for a quick reading response.

Application scenarios.

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

Application Scenarios

industrial | manufacturing | ticketing

Performance		
	Image Sensor	CCD 2500
	Illumination	LED(622 nm - 628 nm)
	Minimal Print Contrast	30%
	Scan Angle Roll	30°
	Scan Angle Pitch	±65°
	Scan Angle Skew	±60°
	Field of View Horizontal	42°
	Scan Modes	Hand-held Mode, Auto Mode, Interval Mode, Sensor Mode, Continuous Mode, Command Triggered Mode
	Scan Rate	300 scans per second
	Decode Rate	200 decodes/sec (default)
Data capture	1D	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, etc.
Physical	Dimensions (mm)	28.2×23.4×11.2mm
	Weight	6g
	Material	ABS
	Interfaces	TTL
	Input Voltage	3.3VDC±5%
	Current @ 3.3VDC Operating	150mA(Max)
	Current @ 3.3VDC Standby	45mA
	Power Consumption	0.33W
	Power Supply Input	DC5V, 1.5A
	Power Supply Output	AC100~240V, 50~60Hz
Environmental	Ambient Light	0 ~ 100,000 LUX
	Operating Temperature	-20℃ - +60℃
	Storage Temperature	-40℃ - +85℃
	Humidity	5%~95% (non-condensing)
Accessories	Standard	75mm FFC
Certifications	Certifications	FCC Part15 Class B, CE EMC Class B Accessories
Warranty	Warranty	2 years

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