

LV-4300

OEM Scan Engine



Features

■ Snappy On-screen Barcode Capture

Featuring excellent near-field reading, wide-viewing angle and snappy reading, the CPU-powered LV-4300 is incredibly reader-friendly on smartphone & tablet displays.

■ Robust Design with High Vibration Resistance

The single PCB construction and vibration-proof connectors make the scan engine more resistant against vibration and help improve its reliability.

■ Multiple Interfaces

The LV-4300 supports USB, RS-232 and TTL-232

■ Slimmer, More Compact Construction

Compared with its predecessor, the new generation of LV-4300 is thinner, lighter and more compact, and thus easier to be integrated into any devices.

■ Outstanding Power Efficiency

The advanced **NLDC** technology incorporated in the scan engine helps reduce its power consumption and prolong its service life.

Application Scenarios (as an accessory)

Bus POS terminals, VTMs, self-service cabinets used in e-commerce, express delivery services and smart homes, kiosks, automatic queuing machines, vending machines, etc.

LV-4300

OEM Scan Engine

Performance	Image Sensor	640 * 480 CMOS			
	Illumination	White LED			
	Symbologies	2D	PDF 417, QR Code, Micro QR, Data Matrix, Aztec, Maxicode, Chinese Sensible Code, GM Code, Micro PDF417 Code, Code One		
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, UCC/EAN128, I2Of5, ITF-14, ITF-6, Matrix 25, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25, Standard 25, Plessey, Code11, MSI-Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K		
	Resolution*	≥5mil			
	Typical Depth of Field*	EAN-13	25mm-110mm (13mil)	PDF417	35mm-45mm (6.7mil)
		QR Code	0mm-90mm (15mil)	Data Matrix	35mm-50mm (10mil)
		Transport Code:	38mm-135mm		
	Min. Symbol Contrast*	30%			
	Scan Angle**	Roll: 360°, Pitch: ±40°, Skew: ±45°			
Motion Tolerance*	Hangzhou Transport Code:	110cm/s (max)			
	Wechat Pay:	260cm/s (max)			
Field of View	Horizontal 68°, Vertical 51°, Diagonal 84.8°				
Mechanical/	Interface	TTL-232, RS-232, USB			
	Electrical	Operating Voltage	12-pin FPC connector: 3.3-5VDC±5%		4-pin box connector: 3.3-5VDC±5%
Rated Power Consumption@5VDC		1129mW (typical)			
Current@5VDC		Operating	237mA (typical), 319mA (max.)		
		Idle	69mA		
Rated Power Consumption@3.3VDC		1103mW (typical)			
Current@3.3VDC		Operating	335mA (typical), 479mA (max.)		
		Idle	93mA		
Dimensions		61.5(W)×65.5(D)×31.9(H)mm (max.)			
Weight		33g			
Notification		Beeper, Green LED Indicator			
Environmental		Operating Temperature	-40°C to 60°C		
		Storage Temperature	-40°C to 75°C		
		Humidity	5% to 95% (non-condensing)		
		Ambient Light	0~100,000lux (natural light)		
Certifications	FCC Part15 Class B, CE EMC Class B				
Accessories	NLS-EVK	Software development board for the NLS-EM20-80, equipped with a trigger button, beeper and RS-232 & USB interfaces.			
	Cable	USB	Used to connect the NLS-EVK to a host device.		
		RS-232	Used to connect the NLS-EVK to a host device.		
	Power Adapter	DC5V power adapter to power the NLS-EVK with RS-232 cable.			

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland, WeChat Pay QR code on a 5.5" Android smartphone with brightness set to 100%.

**Test conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.1