



Newland AIDC
Scanning Made Simple



NLS-SOLDIER300

FIXED MOUNT BARCODE SCANNER

FEATURES

A New Generation of Multi-core Processor Platform

Through the automatic focusing of the liquid lens, the High performance quad-core processor, embedded high performance image processing acceleration engine, combined with advanced multi-thread parallel decoding technology, single image decoding speed significantly improved, and can simultaneously process multiple images, supporting high frame speed scene applications, the highest decoding rate can reach 60 frames per second.

Newly Upgraded Lighting System

Integrated lighting source scheme, bright white light with area array red light, flexible sub-block lighting, can meet the needs of different application scenarios. At the same time, it includes accessories such as diffuser cover and polarizer, which realizes high-quality reflective scene reading ability.

High Protection Industrial Structure Design

It has a built-in IP67 seal, which is suitable for various complex environments and relatively compact industrial environments.

Fast and rich configuration method

Through the software NSet, the scanner can be configured diversified, including networking, multi-code, communication and other functions, and equipped with a powerful AutoLearn self-learning function on the device and in the software, which can achieve one-click completion of image and focus settings, which greatly improves the convenience of barcode reader configuration.

Multiple models meet multiple scenarios

Providing N, W, S version which can meet the needs of application scenarios with large field of view, standard field of view and high precision. And the built-in liquid focusing lens can quickly complete the focusing operation.

Rich communication interface

Integrated RS-232/RS485/USB/Ethernet/Industrial Ethernet (Profinet, Ethernet/IP), support POE power supply and IO port input and output at the same time.



Manufacturing



NSet



2D Barcode



Ethernet



IP67



Industrial protocols



PoE

NLS-SOLDIER300

Performance

Main unit	Model	NLS-Soldier300W	NLS-Soldier300N	NLS-Soldier300S
	Type	Wide-field type	Standard type	Long-distance type
Optical	Sensor	CMOS Image Sensor		
	Number of pixels	1920 × 1200 pixels		
	Illumination	14 High-intensity red LED	50 red dot matrix + 4 High-intensity white LED	14 High-intensity red LED
	Polarising filter	For part lighting(Standard)	For full lighting(Optional)	For part lighting(Standard)
Aim	Effective focal length	6mm	9mm	15mm
	Aim	2*circular laser		
Reading specifications	Supported symbol	1D EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code128, Code93, 2D ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, Code 39, Code 11, MSI-Plessey, Plessey, Deutschel4, Deutschel2.		
	Minimum resolution	1D 1.67mil	1mil	0.8mil
	2D resolution	3.33mil	2.5mil	2mil
	Reading distance	50 to 1000mm	50 to 1000mm	100 to 2000mm
	Motion Tolerance	2m/s		
Min. Symbol Contrast	≥15%			

Physical

Mechanical/ Electrical specifications	Dimensions	61(W)×52.1(D)×100.9(H)		
	Weight	394.7g		
	Prompt	Buzzer, pilot lamp		
	Power voltage	24VDC		
	Current@ 24V DC	Rated power	7.9W	
		Standby current	47mA	
	Input	Maximum load current 15mA(Input:5 V~30V); 2 inputs		
	Output	Maximum load current 50mA(Input:≤30V); 2 outputs		
Communication Interface	RS-232, RS485(optional), USB, TCP/IP, UDP, FTP, Modbus, Ethernet/IP, Profinet			

Environmental

Environmental resistance	Working temperature	-10℃~+50℃
	Ambient storage temperature	-40℃~+70℃
	Relative humidity	5%~95%(No condensation)
	Enclosure rating	IP67

Accessories

Accessories	Cable	Ethernet cable, USB+RS232+I/O cable
	Adapter	Input 100-240V,output DC 24V/1.5A
	Others	Fixed bracket, RS485 cable(optional), Polarising filter(optional), Magnifying glass(optional)

Certification

Certification	CE, FCC, ROHS 2.0
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Specifications are subject to change without notice.

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