Newland AIDC Scanning Made Simple







NLS-EM50S-20

OEM SCAN ENGINE

FEATURES

O Superior Scanning Performance Armed with Newland's sixth-generation of UIMG[®] technology, this CPU-based scan engine delivers stunning performance on

decoding even poor-quality and damaged

O Megapixel CMOS

barcodes.

Thanks to its 1280×800 pixel CMOS sensor, the NLS- EM50S-20 is able to capture high resolution images and decode high density barcodes.

O Multiple Interfaces

The NLS-EM50S-20 supports USB and TTL-232 interfaces to meet diverse customer needs.

O Compact, Lightweight Design

The miniature size, light weight and separate mounting of imager and decoder board facilitate the integration of the NLS-EM50S-20 into a wide variety of thin-and-light equipment.

O User-friendly Illumination & Aiming

Designed with the end user in mind, the NLS-EM50S-20 employs highly visible laser aimer to achieve crisp and accurate targeting while using flicker-free white soft illumination to reduce eye strain and fatigue from long-time operation.













RS232

NLS-EM50S-20

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| rer | form | лисе |

| | 1280×800 CMOS |
|-------------|---|
| | |
| | White LED |
| | 650nm laser diode |
| 2D | PDF417, MicroPDF417, QR / MicroQR, DataMatrix, Aztec, HanXin, MaxiCode, GridMatrix, Code One, DotCode |
| lD | EAN UPC, Coupon, GSI Composite, CodaBar, Interleave 25 / ITF-14 / ITF6, Matrix 25, Industrial 25, COOP 25, Standard 25, China post 25, Code 39, Code 93 / Code 93i, Code 128 series, Plessey, MSI Plessey, Code11, RSS, Code 49, Code 16K |
| Postal | USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX, Australian Postal, Japanese Post |
| OCR | Passport OCR, Passport Visa, TDI, TD2, etc. |
| | ≥3mil |
| EAN-13 | 70mm-500mm (13mil) |
| Code 39 | 90mm-265mm (5mil) |
| PDF417 | 70mm-225mm (6.7mil) |
| Data Matrix | 65mm-215mm (10mil) |
| QR Code | 40mm-295mm (15mil) |
| | 25% |
| | Roll: 360°, Pitch: ±60°, Skew: ±60° |
| | Horizontal 42°, Vertical 28° |
| | |
| | TTL-232, USB |
| | 3.3VDC±5% |
| Operating | 269mA (RMS typical), 399mA (RMS max.) |
| Idle | <70mA |
| Sleep | ImA |
| | Imager: 21.5(W)×10.2(D)×8.6(H) mm (max.) |
| | Decoder board: 21.5(W)×21.5(D)×4.2(H) mm (max.) |
| | 4g |
| | |
| | -20°C to 60°C (-4°F to 140°F) |
| | -40°C to 70°C (-40°F to 158°F) |
| | 5% to 95% (non-condensing) |
| | 0~100,000LUX |
| | |
| | FCC Part15 Class B, CE EMC Class B, RoHS |
| | |
| | Software development board for the NLS-EM50S, equipped with a trigger button, beeper and RS-232 & USB interfaces. |
| USB | Used to connect the NLS-EVK to a host device. |
| | Used to connect the NLS-EVK to a host device. |
| | DC5V power adapter to power the NLS-EVK with RS-232 cable. |
| | |
| | ID Postal OCR EAN-13 Code 39 PDF417 Data Matrix QR Code Operating Idle Sleep |

ID: Code 128; 5 Bytes; Resolution=10mil; PCS=0.8.

Specifications are subject to change without notice.

Newland AIDC

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