

Compact R series fixed industrial barcode reader (R27)

LS-R27 series · Fixed code readers · 2 models



Compact fixed industrial barcode reader with an integrated machine vision algorithm engine for powerful, stable decoding, OneClick debugging and an extra small body whose length and width are less than 1/3 of a standard business card.

Features

- Integrated advanced machine vision algorithm engine; powerful and stable decoding
- OneClick debugging: one-click trigger, fast and accurate decoding; autofocus, parameter adjustment, detection
- Extra small size for deployment in small spaces on the production line
- New geometric optical design
- Multiple ROI configurations
- DSP performance optimization
- Super resolution algorithm
- Fully transparent tempered window

Applications

- 3C electronics
- Automobile manufacturing (DPM part traceability)
- Lithium battery new energy
- Semiconductor
- SMT / PCB processing

Colours

R Red LED illumination

Common specifications

Support barcode	2D: Datamatrix (ECC200), QR Code; 1D: Code39, Code93, Code128, EAN13, EAN8, UPC-E, interleaved 2 of 5
Image sensor	1280*800 Pixel Global Shutter CMOS
Max acquisition frame rate	120FPS
Sight	2 green LED dot aiming
Communication interface	Ethernet@100Mbps, RS232

Supported communication protocols	TCP/IP, FTP, Profinet IO, EIP, RS232, Modbus TCP
Input/Output IO	2 isolated IO inputs + 2 isolated IO outputs (NPN and PNP types available)
Barcode level verification	ISO/IEC 15415, ISO/IEC 16022, ISO/IEC TR29158 (AIM DPM-1-2006)
Powered by	24V DC
Ambient temperature	10~50°C
Protection level	IP65
Certification	CE, FCC, RoHS

Models

Model	Lighting system	Lens	Focus mode	Typical reading depth of field	View field	Focal length
LS-R275-A	Built-in 4 high-power red LED lights (2 regular light illumination + 2 polarized light illumination)	12mm large aperture fixed focus lens + liquid lens	High-speed autofocus	20~1000mm	23° horizontally, 15° vertically	12
LS-R270-A	Built-in 4 high-power red LED lights	7mm fixed focus large depth of field lens	Fixed focal length	40~120mm	35° horizontally, 21° vertically	7

More values per model (Resolution, Shutter, Voltage) are on each product page.

Product views

