

Data sheet

LC 2D TOP

PRODUCT DESCRIPTION

Barcode detection system.



MAIN FEATURES

- IP65 digital barcode reader
- Sensor: CMOS images
- 1280×1024 pixels
- Light source: High intensity red LED
- Pointer light source: High intensity green LED
- Focus adjustment: auto focus
- Reading distance: from 110 to 1000 mm
- Minimum 2D resolution: 0.063 mm
- Minimum barcode resolution: 0.082 mm
- Supported codes: QR, MicroQR, DataMatrix (ECC200), GS1 DataMatrix, PDF417, Micro PDF417, GS1 Composite (CC-A, CC-B, CC-C)
- Barcode: GS1 DataBar, CODE39, CODE39 Full ASCII, ITF, NW-7 (Codabar), CODE128, 2of5 (Industrial 2of5), COOP 2of5 GS1-128, JAN/EAN/UPC, Trioptic CODE39, CODE93, pharmacode.
- Operating ambient temperature: from 0 °C to 45 °C
- Storage ambient temperature: - 10 °C to + 50 °C
- Operating ambient humidity: 35 to 95% relative humidity, non-condensing
- Fully automatic adjustment/function control on site without PC
- The code reader automatically optimizes exposure, image processing filter and other parameters based on the target and installation distance

SOFTWARE

Autofocus/wide field	Automatic focus adjustment and flexible mounting up to 1000 mm. Assembly is less constrained by the performance or specifications of the code reader itself, thus improving the flexibility of designing machines for production lines and assembly structures.
Automatic parameters	Optimal exposure setting, filters and more. The code reader automatically optimizes the exposure, the image processing filter and other parameters based on the target and the installation distance
Automatic control of polarization	Automatic polarization control function (first in the world). The code reader automatically removes the reflection and eliminates the need to adjust the mounting angle or external lighting during installation. When combined with the autofocus function, mounting is extremely flexible
Not affected by intelligent mode conditions change	Smart mode (new) for stable reading regardless of the code. Fluctuations in code conditions are predicted during adjustment and extended reading settings are automatically generated. This ensures stable reading even when the contrast of the code changes, eliminating the need to reconfigure the reader.
I/O Section	Control input: 2 bidirectional voltage inputs Control output: 3 MOS photorelay outputs Ethernet: 10BASE-T/100BASE-TX Serial communication: conforming to RS-232C

