

DATAMAN 70 SERIES BARCODE READERS

The DataMan 70 series provides the highest read rates for 1D and 2D label-based barcodes. With advanced image formation and a small footprint, this powerful fixed-mount barcode readers is an effective solution for indexed or high-speed manufacturing and logistics applications.

Reliably reads 1D and 2D codes

Equipped with industry-leading barcode reading algorithms, the DataMan 70 series reliably reads label-based 1D and 2D barcodes with variations in contrast, blur, damage, resolution, quiet zone violations, and perspective distortion.

Fits into small application spaces

The DataMan 70 series is small enough to fit in the tightest spaces, and with IP65 rated housing, it can also handle the harshest environments. An optional communication module provides the flexibility to daisy-chain multiple readers, making cabling fast and easy.

Advanced Image Formation

Flexible configuration options and powerful LEDs and optics create evenly-illuminated, high contrast images for short or long distance code reading, and large depth-of-field.



Features at-a-glance

- 1DMax with IDQuick algorithms read 1D and 2D label-based barcodes fast and reliably.
- Four powerful LEDs allow long working distance and large depth-of-field.
- Small size and USB-C connection provide flexible configuration in tight spaces.
- ESD-safe front cover option provides protection against electrostatic discharge that can cause costly damage to electronic parts and devices.

Connects to straight or right-angled cables for small application spaces

Small form factor measures 22.2 mm (H) x 38.7 mm (L) x 42.4 mm (W)

Optional ESD-safe cover protects against electrostatic discharge

Advanced lighting and optics create evenly-illuminated, high-contrast images



SPECIFICATIONS

| Model | 72S | 72 L | 72 QL | 72 Q |
|-----------------------------|---|----------------|-------|-------------------------|
| 1D and Stacked Codes | ■ | ■ | ■ | ■ |
| Omnidirectional 1D Codes | ■ | | ■ | ■ |
| Label-based 2D Codes | ■ | | | ■ |
| Algorithms | 1DMax, Hotbars, IDQuick | 1DMax, Hotbars | | 1DMax, Hotbars, IDQuick |
| Image Resolution | 1280 x 960 global shutter | | | |
| Image Sensor | 1/3" CMOS | | | |
| Acquisition | 2 fps | | | 60 fps |
| Max Decode Rate | 2/sec. | | | 45/sec. |
| Aimer | 2 green LEDs | | | |
| Lens Options | 6.2 mm f 7.0, 3 position lens with standard or long range focus setting or 16 mm f 7.0 manual focus lens | | | |
| Lighting | 4 independently controlled red LEDs (6.2 mm lens) or 4 high-power LEDs (16 mm lens only) | | | |
| Discrete I/O | USB: N/A Optional serial accessory cable allows 1IN (trigger only) / 1OUT | | | |
| Status Output | Status LED on reader indicates: Green (good read) or red (no read) | | | |
| Power | 5 VDC–24 VDC or USB Bus powered, 2.5W | | | |
| Communication | Integrated USB-C (RS-232 with accessory cable) or industrial Ethernet protocols with communication module | | | |
| Material | Plastic (polycarbonate) | | | |
| Dimensions | 42.4 mm x 22.2 mm x 38.7 mm | | | |
| Weight | 42 g without cable | | | |
| Operating Temperature | 0 °C–40 °C | | | |
| Storage Temperature | -10 °C–60 °C | | | |
| Humidity | < 95%, non-condensing | | | |
| Protection | IP65 | | | |
| ROHS Certified | Yes | | | |
| Approvals (CE, Safety, FCC) | Yes | | | |
| Setup Operating Systems | Windows® 7 and 10 | | | |

COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs and control traceability.

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