COGNEX

DATAMAN 70 SERIES BARCODE READERS

DataMan® 70 is a compact fixed-mount barcode reader providing the highest read rates for 1-D and 2-D label-based codes. With advanced image formation and a small footprint, DataMan 70 is the ideal solution for indexed or high-speed manufacturing and logistics applications.

Reliably reads 1D and 2D codes

DataMan 70 is equipped with high-performing 1DMax® with Hotbars® and IDQuick® that reliably read label-based 1-D and 2-D barcodes with variations in contrast, blur, damage, resolution, quiet zone violations, and perspective distortion.

Fits into small application spaces

DataMan 70 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 1-D and 2-D 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	70 S	70 L	70 QL	70 Q	72S	72 L	72 QL	72 Q
1-D and Stacked Codes	●	●	●	●	●	●	●	●
Omnidirectional 1-D Codes	●		●	●	●		●	●
Label-based 2-D Codes	●			●	●			●
Algorithms	1DMax Hotbars IDQuick	1DMax Hotbars		1DMax Hotbars IDQuick		1DMax Hotbars		1DMax Hotbars IDQuick
Image Resolution	752 x 480 global shutter				1280 x 960 global shutter			
Image Sensor	1/3" CMOS							
Acquisition	2 fps	60 fps			2 fps	60 fps		
Max Decode Rate	2/second	45/second			2/second	45/second		
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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