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COGNEX

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

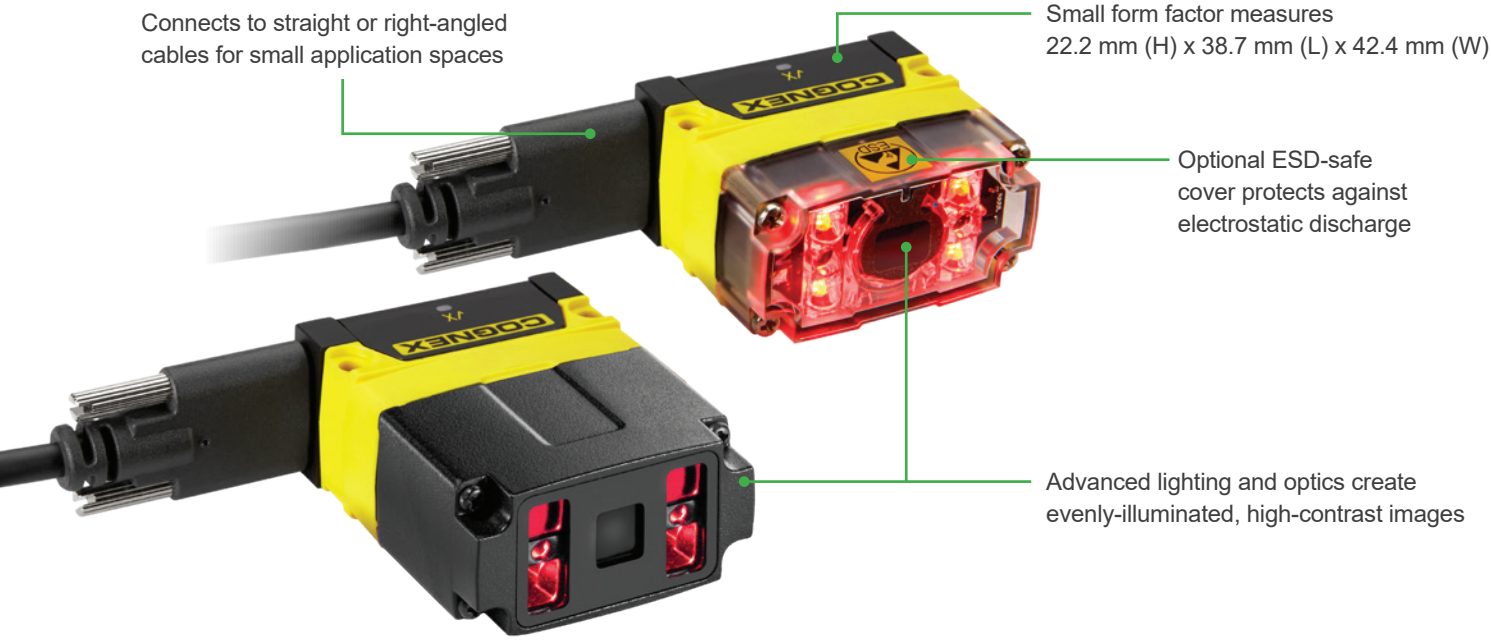
The DataMan 70 series is small enough to fit in the tightest spaces, and with IP65 rated housing, it can also handle the harshest environments. An optional communication module provides the flexibility to daisy-chain multiple readers, making cabling fast and easy.

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.



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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