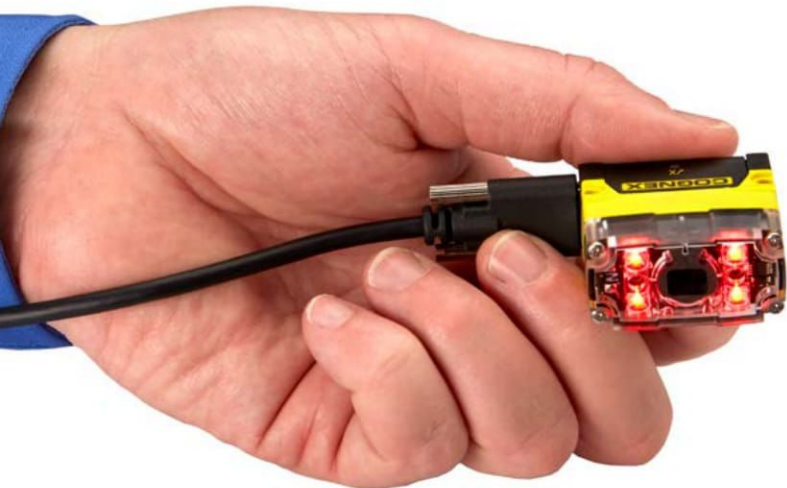




DATAMAN **FIXED-MOUNT** BARCODE READERS

DataMan fixed-mount, image-based barcode readers offer unmatched code reading performance with patented 1D linear barcode and 2D matrix code reading algorithms. The flexible options, easy setup and quick deployment make them ideal for the most demanding industrial applications.



DataMan 70 Series

DataMan 70 is a compact fixed-mount barcode reader with IP65-rated housing. It creates evenly illuminated, high contrast images to provide the highest read rates for 1D and 2D label-based codes.

DataMan 150/260 Series

DataMan 150/260 delivers unprecedented performance, flexibility and ease of use for 1D linear barcodes, higher density 2D matrix codes or direct part mark (DPM) codes. DataMan 260 also offers Ethernet and RS-232 connectivity.





DataMan 360 Series

DataMan 360 is the most versatile Cognex fixed-mount barcode reader offering multiple integrated lighting and lens options, an intelligent auto-tune feature and multiple models and resolutions.

DataMan 503 Series

DataMan 503 is the highest performing Cognex fixed-mount barcode reader for applications requiring high speed and large depth-of-field or field-of-view.



FIXED-MOUNT READER SPECIFICATIONS

	50 Series	60 Series	70 Series
1D and Stacked Codes	•	•	•
Omnidirectional 1D Codes	•	•	•
2D Codes	•	•	•
Algorithms/Technologies	1DMax,® IDQuick,™ Hotbars®		
Image Resolution	752 x 480		752 x 480 1280 x 960
Image Sensor	1/3" CMOS		
Max Acquisition	60 fps		
Max Decode Rate	45/sec		
Lens Options	6.2 mm 3 position manual		6.2 mm 3 position or 16 mm manual focus
Aimer	LED		2 LEDs
Discrete Inputs	2, non-isolated		Optional accessory cable for 1 input
Discrete Outputs	3, non-isolated		Optional accessory cable for 1 output
Status Outputs	3 LEDs		LED
Lighting	Integrated LED		4 independently controlled LEDs
Communications	USB and RS-232	Ethernet, USB and RS-232	USB-C, RS-232 with accessory cable or industrial Ethernet protocols with communication module
Power	5–24 VDC		
Power Consumption	2.5 W		
Weight	76 g	100 g	42 g (without cable)
Dimensions	23.5 mm x 26.5 mm x 45.4 mm	55 mm x 44.5 mm x 23.5 mm	42.4 mm x 22.2 mm x 38.7 mm
Operating Temperature	0 °C–40 °C		
Storage Temperature	-10 °C–60 °C		
Operating/Storage Humidity	0% to 95%, non-condensing		
Protection	IP65	IP40	IP65
RoHS Certified	Yes		
Approvals (CE, UL, FCC)	Yes		
ESD Standards Compliance	IEC 61340-5-1:2016 available in some models	None	IEC 61340-5-1:2016 available in some models
Operating System	Windows® XP, 7 and 10		Windows 7 and 10

Model options available for DataMan 50, 60 and 70 series fixed-mount readers

L Models

1DMax with Hotbars technology for reading the most challenging, high-speed, 1D barcodes presented in fixed position, either horizontally or vertically.

QL Models

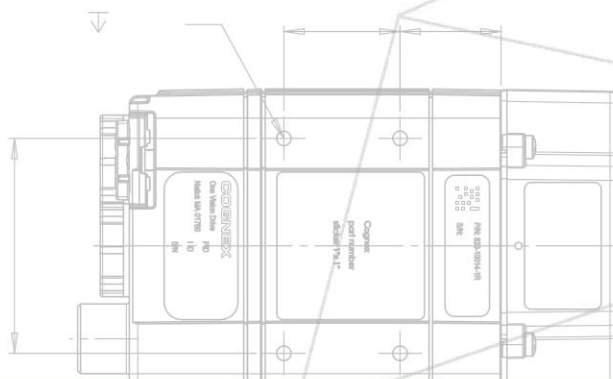
Best-in-class 1D barcode reading with 1DMax and Hotbars technology that is optimized for omnidirectional barcode reading.

S Models

For slow-moving parts or index motion where parts have well-marked 1D and 2D codes.

Q Models

High-performance code reading of 1D and 2D codes on fast moving parts. Includes 1DMax and IDQuick algorithms.



FIXED-MOUNT READER SPECIFICATIONS

	150 Series	260 Series	360 Series	503 Series
1-D and Stacked Codes	•	•	•	•
Omnidirectional 1-D Codes	•	•	•	•
2-D Codes	•	•	•	•
Algorithms/Technologies	1DMax, 2DMax®, IDQuick, Hotbars II, PowerGrid™ options available			
Image Resolution	752 x 480 1280 x 960		800 x 600 1280 x 1024 1600 x 1200	2048 x 1088
Image Sensor	1/3" CMOS		1/1.8" CMOS	2/3" CMOS
Max Acquisition	60 fps		Up to 60 fps	150 fps
Max Decode Rate	45/sec			120/sec
Lens Options	6.2 mm (3 position or liquid lens), 16 mm (manual focus or liquid lens)		10.3 mm (3 position or liquid lens), 16 mm or 25 mm manual, 19 mm liquid lens, 24 mm liquid lens, C-mount	C-mount
Trigger and Tune Buttons	Yes Quick Setup Intelligent Tuning			
Aimer	2 LEDs		LED or dual laser	Optional
Discrete Inputs	2 opto-isolated			4 opto-isolated
Discrete Outputs	2 opto-isolated	4 opto-isolated		
Status Outputs	Beeper, 5 LEDs		Beeper, 5 LEDs, 10x LED bar array, 360 degree read indicator	Beeper, 5 LEDs, 10x LED bar array
Lighting	Integrated LEDs, red, white, blue, or IR; high-power red or IR, polarized option		Integrated LEDs, red, white, blue, or IR; high-power red or white, polarized option; external lights	High powered illumination accessory (HPIA), external lights
Communications	RS-232 and USB	Ethernet and RS-232		
Power	5–26 VDC or USB	5–24 VDC or PoE Class 1	24 VDC	
Power Consumption	4.5 W or 2.5 W (USB)	5 W or 3.84 W (PoE)	5-6 W (45 W with external light)	18 W with external light
Weight	128 g	142 g	165 g	1.5 kg
Dimensions	From 43.9 mm x 62.8 mm x 22.3 mm		From 51.5 mm x 85.1 mm x 41.5 mm	113 mm x 88 mm x 158 mm (without lens or lens cover)
Operating Temperature	0 °C–40 °C			
Storage Temperature	-10 °C–60 °C			
Operating/Storage Humidity	0% to 95%, non-condensing			
Protection	IP65			
RoHS Certified	Yes			
Approvals (CE, UL, FCC)	Yes			
ESD Standards Compliance	IEC 61340-5-1:2016 available in some models			None
Operating System	Microsoft Windows XP, 7 and 10			

Model options available for DataMan 150, 260, 360 and 503 series fixed-mount readers

L Models

1DMax with Hotbars technology for reading the most challenging, high-speed, 1D barcodes presented in fixed position, either horizontally or vertically.

QL Models

Best-in-class 1D barcode reading with 1DMax and Hotbars technology that is optimized for omnidirectional barcode reading.

S Models

For slow-moving parts or index motion where parts have well-marked 1D and 2D codes.

Q Models

High-performance code reading of 1D and 2D codes on fast moving parts. Includes 1DMax and IDQuick algorithms.

X Models

High-performance code reading of challenging 1D and 2D codes, including DPM codes. X models also include PowerGrid technology.