COGNEX

DATAMAN 150/260 SERIES BARCODE READERS

For 1-D linear barcodes, printed higher-density 2-D matrix codes, and direct part mark (DPM) codes, the DataMan[®] 150/260 series fixed-mount, image-based barcode readers deliver unprecedented performance, flexibility and ease of use.

Highest read rates

DataMan 150/260 series barcode readers achieve the highest possible read rates. Cognex powerful algorithms can decode even the most damaged, scratched and poorly printed 1-D and 2-D codes.

Simplify installation in tight spaces

DataMan 150/260 series models offer straight or rightangled configurations to fit into the tightest spaces. In-line and ninety degree configurations eliminate the need for equipment redesign, and complicated optical paths with mirrors.

Reduce installation time and cost of ownership

Modular lighting and optics make it easy to change DataMan 150 and 260 series reader lenses and lighting in the field. This not only reduces installation time and resources, but protects the ID reader investment by making it easy to optimize performance for each application and accommodate future process changes.

Easy to use tune and trigger buttons

The Tune and Trigger buttons allow for the setup of the application all without a PC or HMI. Whether the code is label based or a DPM code, the tuning algorithm trains the code and automatically adjusts the optics and lighting to deliver an image optimized for your application. The trigger button makes it easy to confirm that the reader has been set up properly. Audible beep or visual LED feedback makes it easy to know when the code is correctly read.

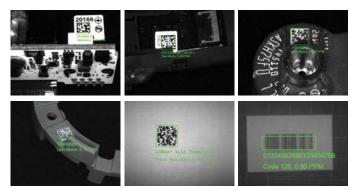
Perfect for DataMan 100/200 series retrofits

The DataMan 150/260 series readers utilize the same mounting configuration and pin out as the DataMan 100/200 series ID readers. This provides easy retrofits into existing DataMan 100/200 applications without adapter plates, or changes to mounting holes and wiring.



Optimal image formation for any code

Codes on round, shiny, highly reflective, or specular surfaces very often require custom illumination to allow them to be read reliably. Low resolution codes and codes at long working distances also present reading challenges. Cognex's modular technology makes reading these codes simple.



1DMax with Hotbars technology deliver high-speed reading of damaged or poorly printed 1-D barcodes as small as 0.8 pixels per module (ppm).

2DMax with PowerGrid technology provides reliable reading of challenging 2-D codes, including previously unreadable 2-D codes without visible perimeters, even when the codes exhibit significant damage to or complete elimination of the finder pattern, clocking pattern, and quiet zone.

SPECIFICATIONS

	150 S	150 QL	150 Q	150 X	152 S	152 QL	152 Q	152 X	260 S	260 QL	260 Q	260 X	262 S	262 QL	262 Q	262 X
1 D and Charland Cadaa																
1-D and Stacked Codes									-							
Omnidirectional 1-D Codes	•					•						•	•	•		
2-D Codes	•			-	•								•			-
Algorithms		1DMax, Hotbars	1DMax, 2DMax	1DMax, 2DMax, PowerGrid	1DMax, 2DCode		· · ·	1DMax, 2DMax, PowerGrid	1DMax, 2DCode	1DMax, Hotbars	1DMax, 2DMax	1DMax, 2DMax, PowerGrid	000-4-	1DMax, Hotbars	1DMax, 2DMax, Hotbars	1DMax, 2DMax, PowerGri
Image Resolution	75	52 x 480 (Global sh	utter	128	30 x 960	Global sh	nutter	75	2 x 480 G	lobal shu	tter	12	80 x 960	Global sh	utter
Image Sensor		1/3" CMOS 1/3" CMOS 1/3" CMOS				1/3" CMOS										
Acquisition	2 fps		60 fps		2 fps	45 fps		2 fps	60 fps		2 fps	45 fps				
Max Decode Rate	2/sec.		45/sec.		2/sec.		45/sec		2/sec.		45/sec.		2/sec. 45/sec.			
Lens Options				6.2 mm (3 position	or liquid	lens, 50.	.250 mm),	16 mm (m	anual focu	s or liqui	d lens, 80	nm 1 m)			
Trigger and Tune Buttons	Yes. Quick Setup Intelligent Tuning															
Aimer	2 Green Aimer LEDs															
Discrete Inputs	2 opto-isolated 2 opto-isolated															
Discrete Outputs	2 opto-isolated 4 opto-isolated															
Status Outputs	5 Status LEDs and Beeper															
Lighting	Modular/Field Configurable Lighting: Four Independently Controled, High-power LEDs (Red, White, Blue, IR) Band-Pass Filters & Polarizing Filter Available															
Power		5–26 VDC, 2.5 W (USB bus power option) DB-15 pig tail cable, pin compatible to DM100						Two models with 24V +/- 10% or PoE (Power over Ethernet)								
Power Consumption		<2.5 W (USB) <3.0 W (PoE or external power)						power)								
Communication			RS	5-232 and l	JSB Inter	face			RS-232 and Ethernet Interface							
Material								Alu	minum							
Weight				128	8 g							14	2 g			
Dimensions		Straight: 42.5 mm x 22 mm x 55(63) mm Right-Angle: 42.5 mm x 28(36) x 49.6 mm							Straight: 42.5 mm x 22 mm x 76.1 mm Right-Angle: 42.5 mm x 48.5 mm x 49.6 mm							
Operating Temperature							Temp	erature (ope	erating) 0	°C–40 °C						
Storage Temperature		Temperature (storage) -10 °C–60 °C														
Operating and Storage Humidity		Humidity < 95% non-condensing														
Protection		IP-65														
RoHS Certified								•	Yes							
Approvals (CE, UL, FCC)		USA FCC Part 15, Class A; Canada ICES-003; European Community EN55022:2006 +A1:2007, Class A, EN55024:1998 +A1:2001 +A2: 2003, EN60950 Australia C-TICK, AS/NZS CISPR 22 / EN 55022 for Class A Equipment; Japan J55022, Class A; KCC; Safety: IEC 60950-1:2005 (2nd Edition); Am 1:2009							ment; lition);							
Operating System	Microsoft Windows XP, 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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