COGNEX

DATAMAN 150/260 SERIES BARCODE READERS

For 1D linear barcodes, printed higher-density 2D 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

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

Simplify installation in tight spaces

DataMan 150/260 series models offer straight or right-angled 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

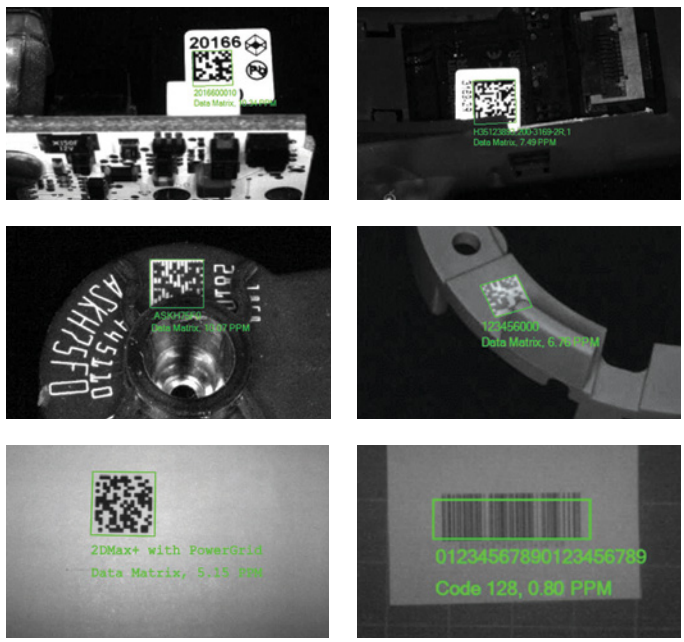
Modular lighting and optics make it easy to change DataMan 150 and 260 series reader lenses and lighting in the field. This not only reduces installation time and resources, but protects the ID reader investment by making it easy to optimize performance for each application and accommodate future process 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, while the audible beep or visual LED feedback verifies when the code is correctly read.

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.



Advanced decoding algorithms reliably read 1D and 2D codes at high speeds, despite code quality, printing method or surface that the codes are marked on, and can even read 2D codes without visible perimeters or quiet zones.

SPECIFICATIONS

	152 S	152 QL	152 Q	152 X	262 S	262 QL	262 Q	262 X
1D and Stacked Codes	■	■	■	■	■	■	■	■
Omnidirectional 1D Codes	■	■	■	■	■	■	■	■
2D Codes	■		■	■	■		■	■
Algorithms	1DMax, 2DCode	1DMax, Hotbars	1DMax, 2DMax	1DMax, 2DMax, PowerGrid	1DMax, 2DCode	1DMax, Hotbars	1DMax, 2DMax, Hotbars	1DMax, 2DMax, PowerGrid
Image Resolution	1280 x 960 Global shutter				1280 x 960 Global shutter			
Image Sensor	1/3" CMOS				1/3" CMOS			
Acquisition	2 fps	45 fps			2 fps	45 fps		
Max Decode Rate	2/sec.	45/sec.			2/sec.	45/sec.		
Lens Options	6.2 mm (3 position or liquid lens, 50 .. 250 mm), 16 mm (manual focus or liquid lens, 80 mm .. 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 Controlled, 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)			
Communication	RS-232 and USB Interface				RS-232 and Ethernet Interface			
Material	Aluminum							
Weight	128 g				142 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	0 °C–40 °C							
Storage Temperature	-10 °C–60 °C							
Operating & 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			
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.

Corporate Headquarters **One Vision Drive Natick, MA 01760 USA**

Regional Sales Offices

Americas

North America	+1 844-999-2469
Brazil	+55 11 4210 3919
Mexico	+800 733 4116

Europe

Austria	+49 721 958 8052
Belgium	+32 289 370 75
France	+33 1 7654 9318
Germany	+49 721 958 8052
Hungary	+36 800 80291
Ireland	+44 121 29 65 163
Italy	+39 02 3057 8196
Netherlands	+31 207 941 398
Poland	+48 717 121 086
Spain	+34 93 299 28 14
Sweden	+46 21 14 55 88
Switzerland	+41 445 788 877
Turkey	+90 216 900 1696
United Kingdom	+44 121 29 65 163

Asia

China	+86 21 6208 1133
India	+9120 4014 7840
Japan	+81 3 5977 5400
Korea	+82 2 539 9047
Malaysia	+6019 916 5532
Singapore	+65 632 55 700
Taiwan	+886 3 578 0060
Thailand	+66 88 7978924
Vietnam	+84 2444 583358

www.cognex.com