



Features:

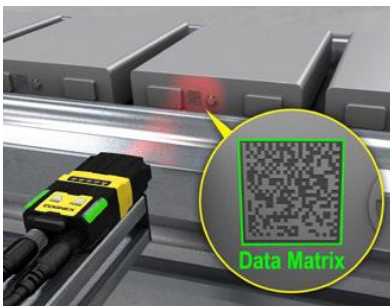
- Fixed-mount 1D/2D-Code Reader
- Fast Decoding
- Easy Setup
- Industry 4.0 features, like web browser connectivity and performance monitoring
- Ideal for track and trace items throughout manufacturing and logistics supply chains
- Maximum flexibility with modular hardware

DataMan 280 series fixed-mount 1D/2D code readers offer fast decoding, easy setup, and valuable Industry 4.0 features, like web browser connectivity and performance monitoring, in a small form factor. DataMan 280 was engineered to better track and trace items throughout manufacturing and logistics supply chains solving a broad range of tough 1D, 2D, and direct part mark (DPM) code applications.

Solve tough manufacturing and logistics

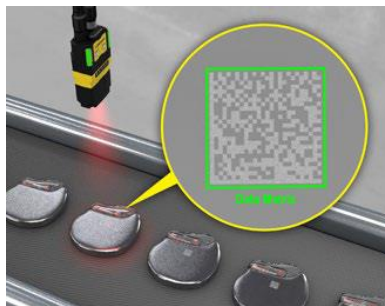
DataMan 280 series 1D/2D code readers provide unprecedented read rates on 1D and 2D codes, including label-based and DPM codes.

Automotive DPM code reading



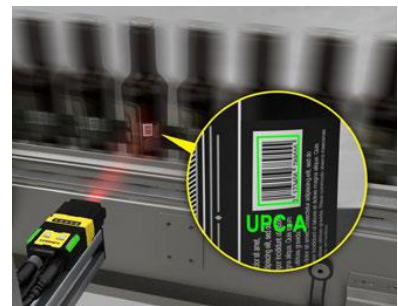
Easily decode difficult DPM codes on challenging automotive part surfaces.

Medical device DPM code reading



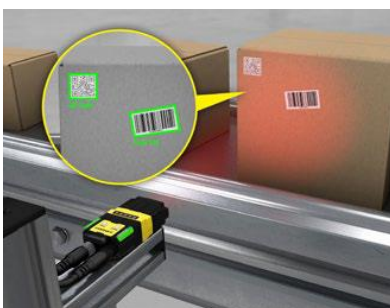
Accurately read and trace small DPM codes on critical medical devices.

High-speed 1D/2D code reading



Reliably read every barcode on high speed manufacturing lines.

Multiple 1D/2D code reading



Read multiple codes simultaneously in the field of view, and offload images quickly.

Pallet code reading



Read 1D and 2D label-based codes on pallets, even codes behind specular wraps.

Presentation scanning



Accurately read user presented codes with a large depth of focus for speedy handling.

Latest Cognex technology improves code handling and coverage

DataMan 280 series 1D/2D code readers are optimized with the latest patented decoding algorithms and high-resolution sensors to improve code handling and enable greater coverage for better efficiency.

Advanced features enable easy setup and performance monitoring

DataMan 280 combined with Cognex Edge Intelligence (EI) provides advanced Industry 4.0 features like easy web browser connectivity, device management, and performance monitoring. It allows users to configure multiple devices at once and begin trending important system performance metrics in minutes. Facility managers can identify trends and intervene quickly when dips in performance are spotted.

Specifications	
Algorithms and Technologies	1DMax, 2DMax, Hotbars, PowerGrid
Image Sensor	1/3" CMOS
Image Sensor Properties	Diagonal 4.81 mm; 3.45µm square pixels
Image Resolution	1440 x 1080 pixels
Electronic Shutter Speed	Min. exposure: 29µs Max. exposure: Up to 10 ms (int. illumination) / Up to 200 ms (ext. illumination)
Acquisition	Up to 45 Hz
Lens Options	6.2mm (3 por or HSLL), 16mm (manual or HSLL), 6.2mm UV, 6.2mm and 16mm IR, C-Mount accessory
Trigger and Tune Buttons	Yes; with Quick Setup Intelligent Tuning
Aimer	2 green aimer LEDs
Discrete Inputs	2 opto-isolated, 2 configurable
Discrete Outputs	2 opto-isolated, 2 configurable
Other I/O Points	2 user configurable as inputs or outputs
Status Outputs	5 status LEDs, audible beeper, 2 visual indicator lights
Lighting	Modular/field configurable lighting: 4 independently controlled high powered LEDs (red, white, blue, IR, UV), band pass filters and polarization filters available
Communications	Ethernet and serial
Protocols	RS-232, TCP/IP, PROFINET, EtherNet/IP™, SLMP, Modbus TCP, NTP, SFTP, FTP, MRS, CC-Link, Java Scripting enabled for custom protocols
Power	24 VDC ±10%, PoE (Power over Ethernet) Class 3
Power Consumption	≤ 7,5 W
Material	Zinc alloy/aluminum
Weight	6,2 mm: 141 g; 16 mm: 169 g; right angle configuration adds 50 g
Dimensions	Straight configurations 6,2mm: 75,5 x 42,4 x 23,6mm / 16mm: 90,6 x 42,4 x 23,6mm Right angle configurations 6,2mm: 78,5 x 42,2 x 37,8mm / 16mm: 78,5 x 42,4 x 52,9mm
Operating/Storage Temperature	0 bis 40 °C (32-104° F)/ -10 bis 60 °C (14-140 ° F)/ < 95% non-condensing
Protection	IP67
RoHS Certified	Yes
Approvals	EU CE, US FCC, TUV CB NRTL IEC 61010, Korea KCC, India BIS

Order Data – Cognex DataMan 280 Series	
<i>Item No.</i>	<i>Description</i>
042492	DataMan 280L-0120 1D code reader for Stacked Codes 6.2mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042493	DataMan 280L-0540-P 1D code reader for Stacked Codes 16mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042495	DataMan 280QL-0120 1D code reader for omni-directional Codes 6.2mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042496	DataMan 280QL-0540-P 1D code reader for omni-directional Codes 16mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042498	DataMan 280S-0120 1D/2D code reader 6.2mm High Speed Liquid Lens. Up to 2 Decodes/Trigger per Second
042499	DataMan 280S-0540-P 1D/2D code reader 16mm High Speed Liquid Lens. Up to 2 Decodes/Trigger per Second
042494	DataMan 280Q-0540-P 1D/2D code reader 16mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042497	DataMan 280Q-MAX 1D/2D code reader 6.2mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042500	DataMan 280X-1120 1D/2D code reader 6.2mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second
042501	DataMan 280X-MAX 1D/2D code reader 16mm High Speed Liquid Lens. Up to 45 Decodes/Trigger per Second