**BARCODE READERS** FIXED-MOUNT = HANDHELD = MOBILE = VERIFIERS

XUNDOD



### THE GLOBAL LEADER In machine vision and industrial barcode reading

### Cognex,<sup>®</sup> the leading supplier of machine vision and industrial barcode reading solutions.

With over 2.3 million systems installed in facilities around the world and over thirty nine years of experience, Cognex is focused on industrial machine vision and image-based barcode reading technology. Deployed by the world's top manufacturers, suppliers and machine builders, Cognex products ensure that manufactured items meet the stringent quality requirements of each industry.

Cognex solutions help customers improve manufacturing quality and performance by eliminating defects, verifying assembly and tracking information at every stage of the production process. Smarter automation using Cognex vision and barcode reading systems means fewer production errors, which equates to lower manufacturing costs and higher customer satisfaction. With the widest range of solutions and largest network of global vision experts, Cognex is the best choice to help you **Build Your Vision.™** 





2019 REVENUE CHANNEL PARTNERS GLOBAL OFFICES IN 20+ COUNTRIES 2,300,000+ SYSTEMS SHIPPED



### COGNEX BARCODE READERS ANY CODE, EVERY TIME

Nearly every product uses a 1D or 2D barcode to automate and simplify identification and data capture. The basic process in reading codes is to 1) illuminate the code, 2) locate the code, and 3) extract the data. Organizations must be able to read codes quickly and accurately for maximum efficiency and throughput.

Cognex image-based barcode readers decode 1D and 2D codes, from printed labels to the hardest to read direct part mark (DPM) codes, and deliver industry-leading read rates. Advanced technology, modular options, and easy setup helps reduce costs, optimize performance, increase throughput, and control traceability.

### INDUSTRIES

Cognex supplies solutions to virtually all manufacturing and logistics industry sectors, including:

- Aerospace
- Airport Baggage Handling
- Automotive
- Ecommerce
   Fulfillment
- Electronics

- Field Service
- Food and Beverage
- Medical Devices
- Pharmaceutical
- Retail Distribution



# PATENTED DECODING TECHNOLOGY AND IMAGE FORMATION TOOLS

Cognex products are optimized with patented decoding algorithms and advanced technologies to ensure continuously high read rates for the most difficult and degraded 1D and 2D codes.



### 1DMax Algorithm with Hotbars Technology

1DMax<sup>®</sup> with Hotbars<sup>®</sup> is optimized for omnidirectional 1D barcode reading, decoding up to 10x the speed of a conventional barcode reader, even with increased noise, limited contrast, and damage.







### 2DMax Algorithm with PowerGrid

2DMax® with PowerGrid® is a breakthrough 2D decoding algorithm and technology designed to read 2D codes with significant damage to or complete elimination of a code's finder pattern, clocking pattern, or quiet zone.







No finder pattern







Quiet zone violation



HOTBARS IMAGE ANALYSIS

Stripe



### **High Dynamic Range** (HDR) Technology

HDR imaging uses the latest CMOS image sensor technology, which is 16x more detailed than conventional sensors, to globally enhance image quality and contrast.



### HDR+

HDR+ further increases

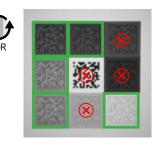
localized contrast changes automatically. This creates a more uniformed image in a single acquisition allowing greater depth-of-field, faster line speeds, and improved handling of difficult codes.

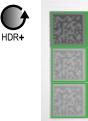
Target Source



Conventional Sensor







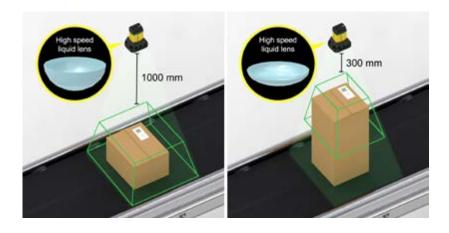


HDR+ technology enables reading an increased range of codes than is possible with conventional or other HDR technologies.



### **Liquid Lens Technology**

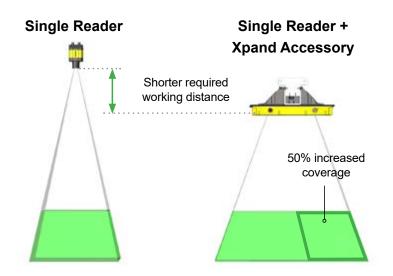
This dynamic autofocusing technology automatically adapts to changes in working distances for presentation scanning and high-speed, high-variability applications. Available in 8, 10, 16, 24, and 35mm lenses.





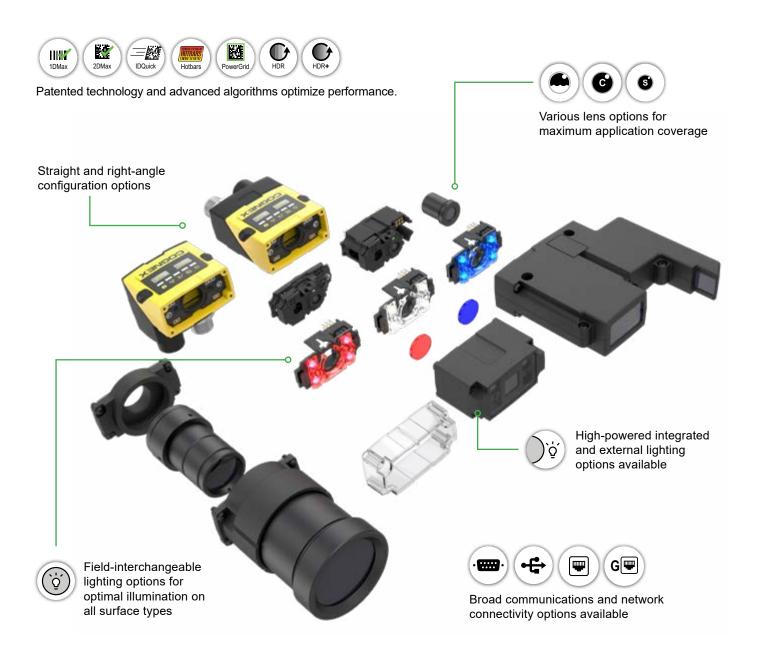
#### **Greater coverage** with fewer readers

The Xpand<sup>™</sup> technology accessory is available to increase the field-of-view coverage of a single barcode reader by over 50%. This enables wider belt coverage using fewer readers, simplifying setup and installation, and reducing overall cost.

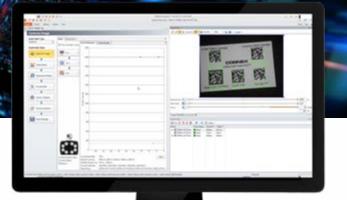


### **MODULAR DESIGN** For maximum flexibility

Cognex's commitment to continuous innovation ensures modular software and hardware configuration options to solve any barcode reading challenge. The example below represents the modular capabilities of Cognex devices.



### EASY SETUP AND OPERATION

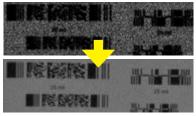


### **DataMan Setup Tool**

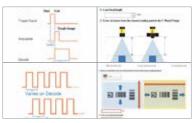
The DataMan<sup>®</sup> Setup Tool software simplifies installation and operation of Cognex barcode readers. It provides step-by-step guidance, auto-adjusts and optimizes variable parameters, and captures code images in real time for user review.



Step-by-step visual guidance



Pre- and post-image optimization tools



Application assistants help optimize parameters



Multiple read setups allow for greater product & environmental variation



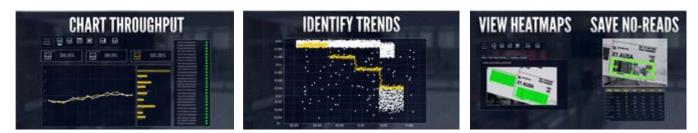
Independent lighting controls

|          | Result        | Result Status |
|----------|---------------|---------------|
| 78 _ 18  | III 20 AMONDS | Read          |
| ER IN IN | III 20IAMONDS | Read          |
|          | III 20VMONDS  | Read          |
|          | III 20IAMONDS | Head          |
| 10 12 12 | III 2DIAMONDS | Read          |
|          | III 20WMONDS  | Read          |
|          | III 20IAMONDS | Read          |
| 12 D     | III 20 WHONDS | G Read        |

Image & read result history

### Performance feedback for process optimization

Cognex technology provides performance feedback for networked DataMan fixed-mount barcode readers, including no-read tracking, read rate trending, and configuration audit trails.

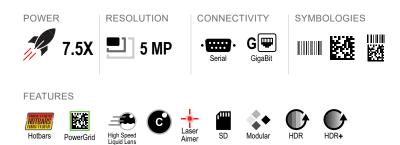




DataMan fixed-mount, image-based barcode readers offer advanced technology, processing power, modularity, and ease of use for challenging manufacturing and logistics applications.

#### **DataMan 470 Series**

Premium reader with multi-core processing power and advanced imaging technology for complex, high-throughput 1D and 2D code applications.









### DataMan 370 Series

Delivers superior read performance for the broadest range of applications, including multi-code, multi-symbology applications.

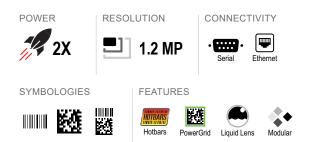




\*Including integrated light. Base dimensions are same as DataMan 360 series: 73 mm (L) x 54 mm (W) x 42 mm (H)

#### **DataMan 260 Series**

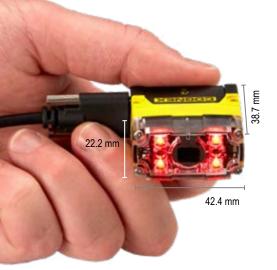
Straight or right-angle modular design ideal for 1D barcodes, higher density 2D codes, or direct part mark (DPM) codes.





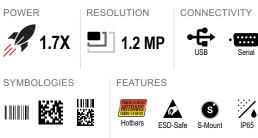






### **DataMan 70 Series**

Compact design ideal for reading 1D and 2D label-based codes in tight application spaces.







### FIXED-MOUNT READER SPECIFICATIONS & FEATURES

|          |                                  | 60<br>Series   | 70<br>Series | 150<br>Series           | 260<br>Series | 360<br>Series                           | 370<br>Series              | 470<br>Series | 503<br>Series |
|----------|----------------------------------|----------------|--------------|-------------------------|---------------|---|----------------------------|---------------|---------------|
|          | Resolution                       | 752 x 480      |              | 752 x 480<br>1280 x 960 |               | 800 x 600<br>1280 x 1024<br>1600 x 1200 | 2048 x 1536<br>2448 x 2048 |               | 2048 x 1088   |
|          | Processing<br>Power <sup>1</sup> | 1X             | 1.7X         | 2                       | X             | 2.5X                                    | 5X                         | 7.5X          | 9X            |
| Ē        | FPS                              |                | 6            | 0                       |               | Up to 60                                | Up                         | to 80         | 150           |
| 0×L<br>X | Model Variants                   | L, QL, S, Q, X | L, QL, S, Q  | QL, S                   | S, Q, X       |   | L, Q, QL, X                |               | QL, X         |
| Lense    | S                                |                |              |                         |               |   |                            |               |               |
|          | Liquid Lens                      |                |              | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
| -        | High Speed<br>Liquid Lens        |                |              |                         |               |   | $\checkmark$               | $\checkmark$  |               |
| C        | C-mount                          |                | $\checkmark$ | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
| 6        | S-mount                          | $\checkmark$   | $\checkmark$ | $\checkmark$            | $\checkmark$  | $\checkmark$                            |                            |               |               |
| Symb     | ologies                          |                |              |                         |               |   |                            |               |               |
|          | 1D                               | $\checkmark$   | $\checkmark$ | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
|          | 2D                               | $\checkmark$   | $\checkmark$ | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
|          | Multi-code                       | $\checkmark$   | $\checkmark$ | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
| Decod    | ling Algorithms                  |                |              |                         |               |   |                            |               |               |
| HOTBARS  | 1DMax with<br>Hotbars            | $\checkmark$   | $\checkmark$ | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
|          | 2DMax                            |                |              | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
|          | PowerGrid                        |                |              | $\checkmark$            | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  |               |
|          | ologies                          |                |              |                         |               |   |                            |               |               |
|          | Multi-Reader<br>Sync             |                |              |                         | $\checkmark$  | $\checkmark$                            | $\checkmark$               | $\checkmark$  | $\checkmark$  |
| HDR      | HDR                              |                |              |                         |               |   | $\checkmark$               | $\checkmark$  |               |
| HDR+     | HDR+                             |                |              |                         |               |   |                            | $\checkmark$  |               |

|  | 60<br>Series | 70<br>Series | 150<br>Series | 260<br>Series | 360<br>Series | 370<br>Series | 470<br>Series | 503<br>Series |
|--|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Lighting Modularity                        |              |              |               |               |               |               |               |               |
| Integrated<br>Lighting                     | $\checkmark$ | $\checkmark$ | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| کَنْ External<br>Lighting                  |              |              |               |               | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| High Powered<br>Integrated<br>Torch (HPIT) |              |              |               |               |               | $\checkmark$  | $\checkmark$  |               |
| Communications                             | I            |              |               |               | 1             |               | ·             |               |
| Discrete I/O                               | $\checkmark$ | $\checkmark$ | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| ··········· Serial                         | $\checkmark$ | $\checkmark$ | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| Ethernet                                   | $\checkmark$ |              |               | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| G <b>I</b> Gigabit<br>Ethernet             |              |              |               |               |               | $\checkmark$  | $\checkmark$  |               |
| •E USB                                     |              | USB-C        | USB           |               |               |               |               |               |
| Additional Features                        |              |              |               |               |               |               |               |               |
| Web HMI<br>Capable                         |              |              |               |               |               | $\checkmark$  | $\checkmark$  |               |
| ♦ Modular                                  | $\checkmark$ | $\checkmark$ | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| Device<br>Feedback                         |              |              |               | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| –––– Laser Aimer                           |              |              |               |               | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |
| IP Rating                                  | IP40         |              | IP            | 65            |               | IP            | 67            | IP65          |
| ESD-Safe<br>Housing <sup>2</sup>           |              | $\checkmark$ | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  | $\checkmark$  |               |
| SD card                                    |              |              |               |               | $\checkmark$  | $\checkmark$  | $\checkmark$  |               |



#### <sup>1</sup> Processing Power

The processing power of a reader is measured by how quickly it decodes a barcode and outputs the resulting data. A comparison test simulating a complex 1D/2D multi-code application (consisting of four varied 1D codes and seven varied 2D codes together) was used to determine the processing power of each DataMan fixed-mount barcode reader.



#### <sup>2</sup> ESD-Safe Housing

Protects devices and flammable environments from electrostatic discharge (ESD), the sudden flow of static electricity between two objects.

### **DATAMAN HANDHELD** BARCODE READERS

DataMan handheld barcode readers include the latest patented technology, rugged housing, and modular communication options for tough applications.



### DataMan 8600 Series

Delivers superior image formation for the most challenging DPM, 1D, and 2D codes.



### DataMan 8070 Series

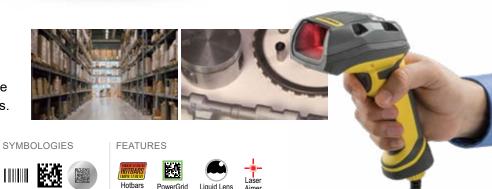
RESOLUTION

1.2 MP

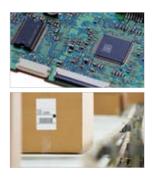
Offers advanced image formation for hard to read DPM codes and an extended-range model for label-based logistics applications.

CONNECTIVITY

-







### DataMan 8050 Series

Decodes well-marked DPM and label-based codes in harsh factory floor environments.

CONNECTIVITY SYMBOLOGIES | FEATURES Wi-Fi Bluetooth



### **HANDHELD READER SPECIFICATIONS & FEATURES**

|            |                                    | 8050 Series     | 8070 Series             | 8600 Series             |
|------------|------------------------------------|-----------------|-------------------------|-------------------------|
|            | Resolution                         | 752 x 480       | 1.2 MP                  | 1280 x 1024             |
| Q∕Ks       | Model Variants                     | HD, HDX, X      | DL, ER                  | HDX                     |
| Lense      | S                                  |                 |                         |                         |
|            | Liquid Lens                        |                 | ER                      | $\checkmark$            |
| Symb       | ologies                            |                 |                         |                         |
|            | 1D                                 | $\checkmark$    | $\checkmark$            | $\checkmark$            |
|            | 2D                                 | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| Deco       | ling Algorithms                    |                 |                         |                         |
| HOTBARS    | 1DMax with Hotbars                 | $\checkmark$    | $\checkmark$            | $\checkmark$            |
|            | 2DMax                              | $\checkmark$    | $\checkmark$            | $\checkmark$            |
|            | PowerGrid                          | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| Lighti     | ng Modularity                      |                 |                         |                         |
| ()<br>Q    | Integrated Lighting                | Direct lighting | Half-polarized lighting | UltraLight <sup>1</sup> |
| Comn       | nunications                        |                 |                         |                         |
|            | Ethernet with Industrial Protocols | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| ·          | Serial                             | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| •₽         | USB                                | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| *          | Bluetooth                          | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| ŝ          | Wireless                           | $\checkmark$    |                         | $\checkmark$            |
| Additi     | onal Features                      |                 |                         |                         |
| -+-        | Laser Aimer                        |                 | $\checkmark$            | $\checkmark$            |
| •          | Modular                            | $\checkmark$    | $\checkmark$            | $\checkmark$            |
| G          | ESD-Safe Housing <sup>2</sup>      | $\checkmark$    |                         |                         |
| $\Diamond$ | Drop Test                          |                 | 50 drops from 2 meters  |                         |
| %          | IP Rating                          |                 | IP65                    |                         |



#### <sup>1</sup> UltraLight

UltraLight<sup>®</sup> technology uses polarized, lowangle, and diffuse lighting to provide the best image formation and illumination for the hardest-to-read DPM codes.



#### <sup>2</sup> ESD-Safe Housing

Protects devices and flammable environments from electrostatic discharge (ESD), the sudden flow of static electricity between two objects. Select models only.



Cognex offers the only end-to-end family of mobile scanning solutions, achieving best-in-class 1D, 2D, and direct part mark (DPM) barcode reading performance.

### MX-1502 and MX-1000 Series

RESOLUTION

Combines fast, image-based 1D and 2D barcode reading with iOS<sup>®</sup> and Android<sup>®</sup> mobile devices for standard, long, and extended range applications.

FEATURES



SYMBOLOGIES









### **MX-100 Series**

Mobile device accessory attaches to an Otterbox<sup>®</sup> uniVERSE Case System<sup>®</sup> and transforms smartphones into better barcode readers with innovative aiming and lighting.

SYMBOLOGIES | FEATURES







### Cognex Mobile Barcode Software Development Kit (SDK)

The Cognex Mobile Barcode SDK is a comprehensive software tool for all facets of mobile barcode scanning. It enables tailoring and maintaining a single application for all mobile devices across an entire organization.

The SDK can be used with any supported device, including:

- MX-1000 and MX-1502 Series mobile terminals
- MX-100 Series mobile barcode readers
- Smartphone and tablet cameras (license required)



### **MOBILE SOLUTIONS SPECIFICATIONS & FEATURES**

|                         |                       | MX-100              | MX-1000      | MX-1502               |
|-------------------------|-----------------------|---------------------|--------------|-----------------------|
| 21                      | Resolution            | Device<br>dependant | 752 x 480    | 1.2 MP                |
| $\overline{\mathbf{v}}$ | Scan Range            | SR                  | SR           | MR, LR,<br>ER, XR, UV |
| Lense                   | S                     |                     |              |                       |
|                         | Liquid Lens           |                     |              | $\checkmark$          |
| Symbo                   | ologies               |                     |              |                       |
|                         | 1D                    | $\checkmark$        | $\checkmark$ | $\checkmark$          |
|                         | 2D                    | $\checkmark$        | $\checkmark$ | $\checkmark$          |
|                         | DPM                   |                     | $\checkmark$ | $\checkmark$          |
| Decod                   | ing Algorithm         | S                   |              |                       |
| HOTBARS                 | 1DMax with<br>Hotbars |                     | $\checkmark$ | $\checkmark$          |
|                         | 2DMax                 |                     | $\checkmark$ | $\checkmark$          |
| <u>ka</u>               | PowerGrid             |                     |              | $\checkmark$          |

|                                | MX-100                | MX-1000      | MX-1502      |
|--------------------------------|-----------------------|--------------|--------------|
| Lighting                       |                       |              |              |
| Difference integrated Lighting | $\checkmark$          | $\checkmark$ | $\checkmark$ |
| Modular<br>Lighting            |                       |              | $\checkmark$ |
| Operating System               |                       |              |              |
| ios                            | <ul> <li>✓</li> </ul> | $\checkmark$ | $\checkmark$ |
| 👘 Android                      |                       | $\checkmark$ | $\checkmark$ |
| Additional Features            |                       |              |              |
| ♦ Modular                      | ✓                     | ✓            | $\checkmark$ |
| Pistol Grip                    |                       | $\checkmark$ | $\checkmark$ |
| Drop Test                      | OtterBox<br>Certified | 50 drops fro | om 2 meters  |
| IP Rating                      | IP54                  | IP65         | IP65         |



The modular design of Cognex mobile products supports a number of existing and future iOS and Android devices, leveraging the latest communication technologies including 3G, 4G, 4G LTE, Wi-Fi, Bluetooth, and more.



### DATAMAN BARCODE VERIFIERS

Barcode verification is the process of grading the quality of barcodes to globally accepted standards. Cognex barcode verification technology ensures the readability and compliance of codes and provides detailed summary reports.

### DataMan 475V Series Inline Verifier

Grades 1D and 2D codes from a fixed position on the production line.







### DataMan 8072V Series Handheld Verifier

Grades the most difficult direct part mark (DPM) codes with 30/45/90-degree angle lighting options.

FIELD OF VIEW **27 x 20 mm, 17 x 13 mm**  SYMBOLOGIES

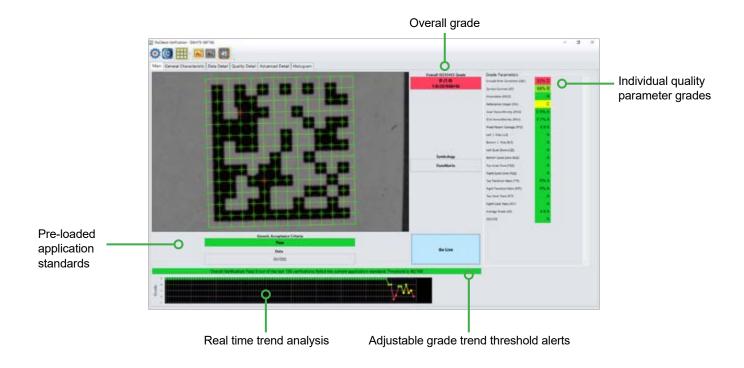






### Auto-generate code quality data and reports

Barcode verification software provides visual diagnostic information to identify one-off or trending code quality issues. Export the data or transfer raw data to your own database for further analysis.



### **BARCODE VERIFIER SPECIFICATIONS & FEATURES**

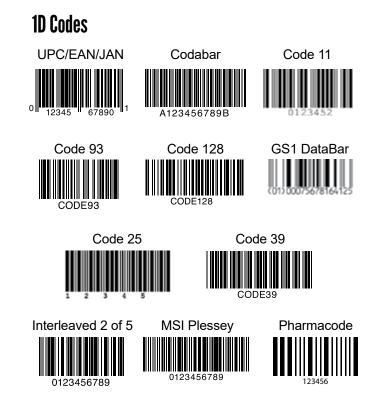
|                    |                        | 8072V                     | 475V         |
|--------------------|------------------------|---------------------------|--------------|
|                    | Resolution             | 1.2 MP                    | 5 MP         |
|                    | Field of View          | 27 x 20 mm,<br>17 x 13 mm | 80 x 60 mm   |
|                    | Minimum<br>X-Dimension | 6.0, 3.5 mil              | 6.0 mil      |
| ₀X <sup>L</sup> ∕s | Model Variants         | HD                        |              |
| Symbo              | ologies                |                           |              |
|                    | 1D                     | $\checkmark$              | $\checkmark$ |
|                    | 2D                     | $\checkmark$              | $\checkmark$ |
|                    | DPM                    | $\checkmark$              | $\checkmark$ |

|          |                                     | 8072V   | 475V   |  |  |  |  |
|----------|-------------------------------------|---|--|--|--|--|--|
| Lighti   | Lighting Modularity                 |   |  |  |  |  |  |
| ₽<br>30° | 30-degree                           | $\checkmark$                                      |  |  |  |  |  |
| 45°      | 45-degree                           | $\checkmark$                                      | $\checkmark$   |  |  |  |  |
| 90°      | 90-degree                           | $\checkmark$                                      |  |  |  |  |  |
| Additi   | onal Features                       |   |  |  |  |  |  |
| %        | IP Rating                           | IP  | 65   |  |  |  |  |
|          | Industry<br>Standards<br>Compliance | ISO/IEC 15415,<br>ISO/IEC TR (AIM DPM)            | ISO/IEC 15415,<br>ISO/IEC 15416,<br>ISO/IEC TR (AIM DPM)   |  |  |  |  |
|          | Applications<br>Standards           | GS1, MIL-STD 130<br>IUD, UDI, HIBCC,<br>ISO 15434 | GS1, MIL-STD 130<br>IUD, UDI, HIBCC,<br>ISO 15434, Russian<br>Crypto-Code, Custom<br>Application Standards |  |  |  |  |

# **MODELS AND SYMBO**

Regardless of code symbology, size, quality, printing method, or surface, Cognex has a barcode reader that can read the code, ensuring maximum efficiency and traceability.

| Model | Reads   |  |
|-------|---|--|
| L     | 1D fixed position barcodes                          |  |
| QL    | 1D omnidirectional barcodes                         |  |
| S     | Slow or indexed well-marked 1D and 2D codes         |  |
| Q     | High-speed 1D and 2D codes                          |  |
| DX/X  | Challenging 1D and 2D codes, including DPM codes    |  |
| UHD   | Ultra-small, well-marked 2D DPM codes (0.7 mil)     |  |
| HD    | Small 1D and 2D codes (6-10 mil)                    |  |
| HDX   | Smaller 1D and 2D codes (2-5 mil)                   |  |
| DL    | Well-marked 1D and 2D DPM codes                     |  |
| SR    | Codes from standard range                           |  |
| MR    | Codes from mid-range                                |  |
| LR    | Dense or small codes from long range (high shelves) |  |
| ER    | Codes from extended-range (very high shelves)       |  |
| XR    | Codes on hanging signs or ceilings                  |  |
| UV    | Ultraviolet (invisible) codes                       |  |
| V     | Verifies or grades the quality of codes             |  |



### **2D Codes**







Micro QR











### **Postal Codes**

POSTNET 

PLANET, Australian Post, Japan Post, Royal Mail, UPU

Intelligent Mail Barcode վիկներություններիներիներիներիներիներին

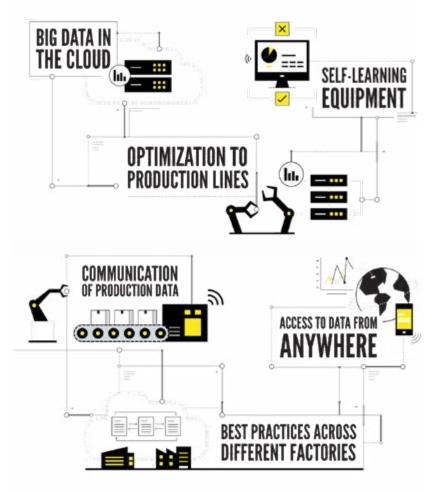
## INDUSTRY 4.0

Industry 4.0, or "The Industrial Internet of Things," refers to a set of emerging innovations in advanced automation, machine vision, Big Data, cloud computing, and machine learning which will revolutionize manufacturing. Industry 4.0 demonstrates tremendous potential to bolster productivity, reduce waste, refine product quality, enhance manufacturing flexibility, and decrease operating costs.

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Machine vision and industrial barcode reading will be a critical part of automation systems in Industry 4.0. As data analytics capabilities progress, the high volume of data accessible through vision and barcode reading equipment will be used to identify and flag defective products, understand their deficiencies, and enable fast and effective intervention in the Industry 4.0 factory.

For more information, visit cognex.com/industry-4-0.



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Companies around the world rely on Cognex vision and barcode reading to optimize quality, drive down costs and control traceability.

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