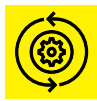# VISIONVIEW DISPLAY PANEL AND WEB HMI

Cognex® In-Sight® vision systems and DataMan® barcode readers offer multiple runtime visualization options to help monitor live vision inspections and access tool parameters directly from the factory floor.
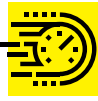
VisionView Application Software

The VisionView® operator interface is ideal for monitoring and controlling In-Sight vision systems and image-based barcode readers on the factory floor and allows operator controls specific to the application.

Automatic system discovery
Quickly detect any Cognex In-Sight or DataMan system on your network.

Fast image updates
See the most recent inspection images to view your process in real time.

Mix and match
View In-Sight and DataMan systems in a tiled view—up to 9 connections on VisionView 900 and up to 16 on VisionView PC.

Access to CustomView and EasyView
The operator controls created in the spreadsheet or items selected from In-Sight EasyBuilder® software can appear on the VisionView screen.

Graphical interface
Display full color images, with graphic overlays and operator controls.

Font training during run-time
Eliminate downtime during changeovers by training fonts at run-time, without a PC—ideal for OCR/OCV applications.

VisionView Platforms

VisionView application software is available on multiple platforms.

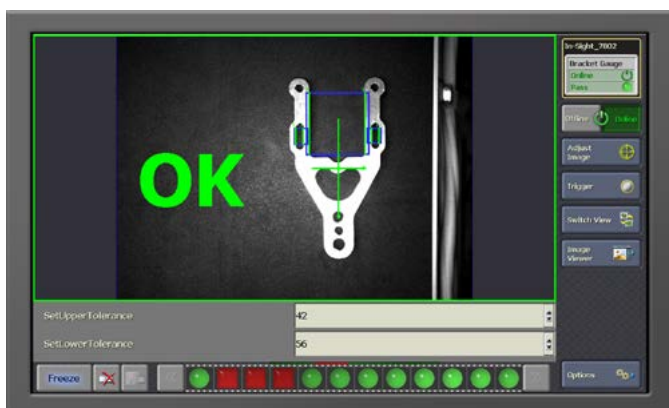### VisionView 900 Display Panel

VisionView 900 HMI display panel monitors and controls In-Sight and DataMan applications at run-time. The password-protected interface allows operators to load jobs, adjust vision tool parameters and regions of interest, and see inspection results directly on the factory floor, without a PC.

- 9-inch/229mm touch screen provides total control during run-time operation
- Green/red LED indicator displays pass/fail results
- 2 USB ports for connecting a mouse or keyboard, or storing images and jobs on a removable drive
- Connect and monitor up to 9 systems

VisionView PC Software

VisionView PC software runs the VisionView interface on standard Windows® PC, with no additional hardware required.

VisionView CE-SL for Third-party CE Panels

To save valuable space on the production line, VisionView CE-SL software runs on Windows CE-based HMI panels from Rockwell, Siemens, Beijer and Advantech.

Web HMI

A simple point-and-click interface allows users to configure customized HMI interfaces that provide secure, platform independent visualization via web browser-enabled devices on the network. Operators and controls engineers can monitor inspections, modify parameters, save and load job files, and view performance statistics.

Modify parameters, load/save jobs, and review performance statistics
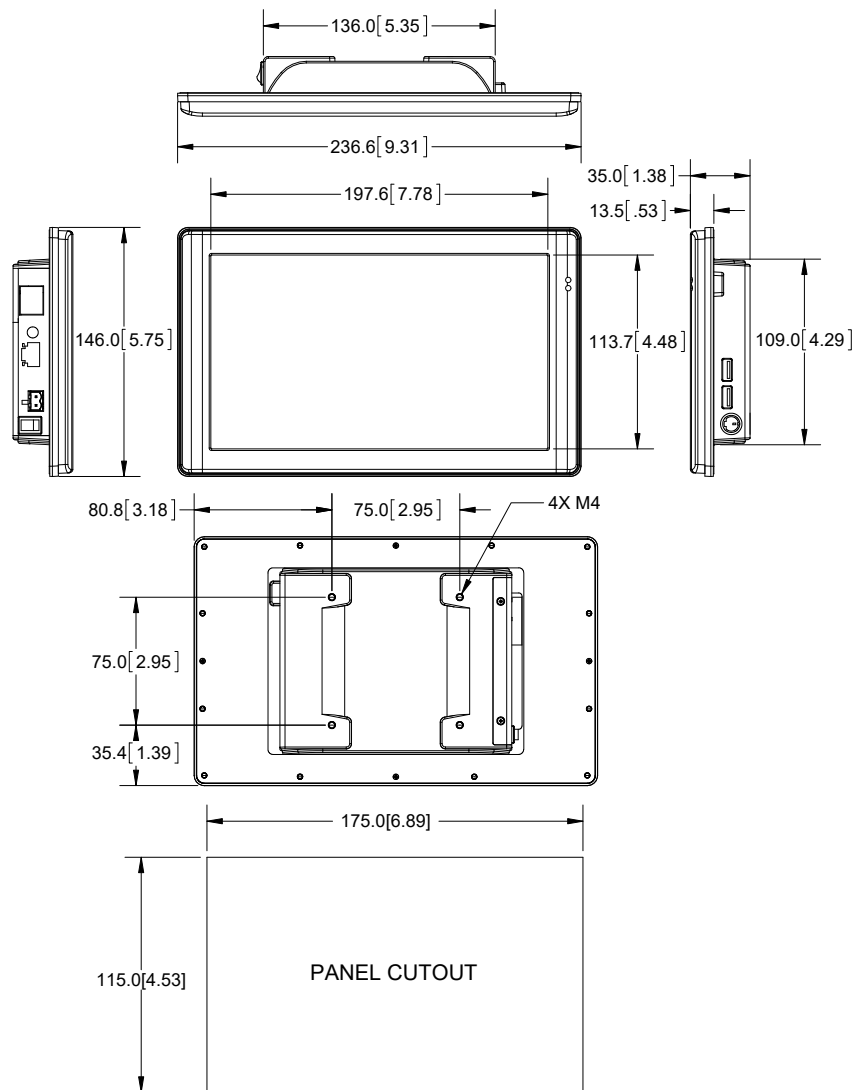
View inspection images

In-Sight Display Control

The In-Sight ActiveX Display Control is available for developers who need to display inspection images in custom programs as part of a complete machine control application.

VISIONVIEW 900 SPECIFICATIONS

Display	Size	9in/229mm WVGA (10:6 aspect ratio)
	Type	TFT LCD
	Resolution	1024 x 600 (614,400 pixels)
	Number of Colors	262,144 (18 bits/pixel)
	Luminance	300 nit
	Backlight Life	20,000 hours
Touchscreen		Analog resistive: 4 wire
Memory		512MB DDR2
Storage		2GB of non-volatile flash
I/O	Network	1 Ethernet port, 10/100 BaseT, TCP/IP Protocol, Full Duplex
	USB	2 Host USB 2.0 (480 Mb/sec) ports
Power		24VDC±10%, .5A
Mounting		Standalone mounting panel with optional accessory mounting kit. Optional stand accessory.
Environ-mental	Protection	IP65 or NEMA 4 when properly panel-mounted in an IP65 or NEMA4 rated enclosure or panel
	Shock	30 G Shock per IEC 68-2-27
	Vibration	2 G from 10-2000 Hz. Vibration per IEC 68-2-6
	Operating Temperature	0°C to 50°C (32°F to 122°F)
	Storage Temperature	-10°C to 60°C (14°F to 140°F)
Regulatory		CE, FCC, TüV SüD NRTL, RoHS

VISIONVIEW PC SOFTWARE SPECIFICATIONS

Hardware Requirements	Intel® Pentium® 4 processor running at 1 GHz (or equivalent)
	512MB of available RAM
	500MB of available hard-disk space
	Video card capable of displaying 800x600 resolution at 16-bit color depth. The DPI Display setting must be set to 96 DPI
	Network Interface Card (at least 100Mbps)
Operating System Requirements	Microsoft Windows Server® 2008 R2, Service Pack 1 (64-bit)
	Microsoft Windows 7 Professional, Service Pack 1 (32-bit and 64-bit)
	Microsoft Windows 10 Professional (64 bit)
Software Requirements	The Microsoft .NET Framework 3.5 Service Pack 1 must be installed before installing the VisionView PC software. Microsoft .NET Framework 3.5 Service Pack 1 will attempt to install automatically if it is not detected on the PC

VISIONVIEW CE-SL SPECIFICATIONS

The VisionView third-party CE panel software license supports the following panels:

- Rockwell PanelViewPlus Series 6-700, 1000, 1250 and 1500

- Siemens MP-277, MP-277 Mobile, and MP377

This is a partial list, please contact your Cognex sales representative for the most current listing.

Compatible Cognex Systems

Cognex's Web HMI is compatible with the full range of In-Sight vision sensors and systems. VisionView software and display panel supports all In-Sight sensors and systems and DataMan fixed-mount and handhelds barcode readers.

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