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.
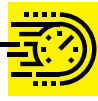
VisionView Application Software

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.

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.

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

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

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.

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.

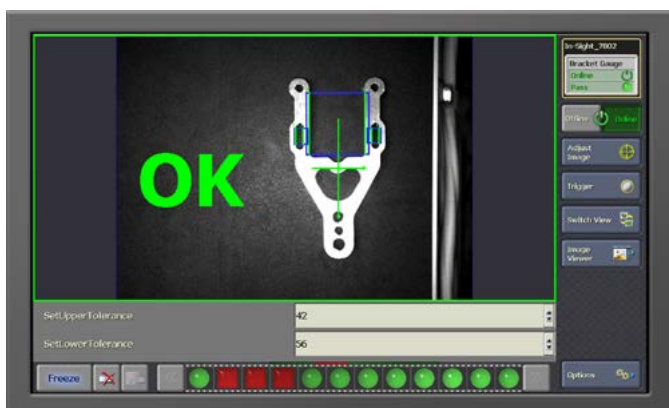### VisionView 900 Display Panel

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
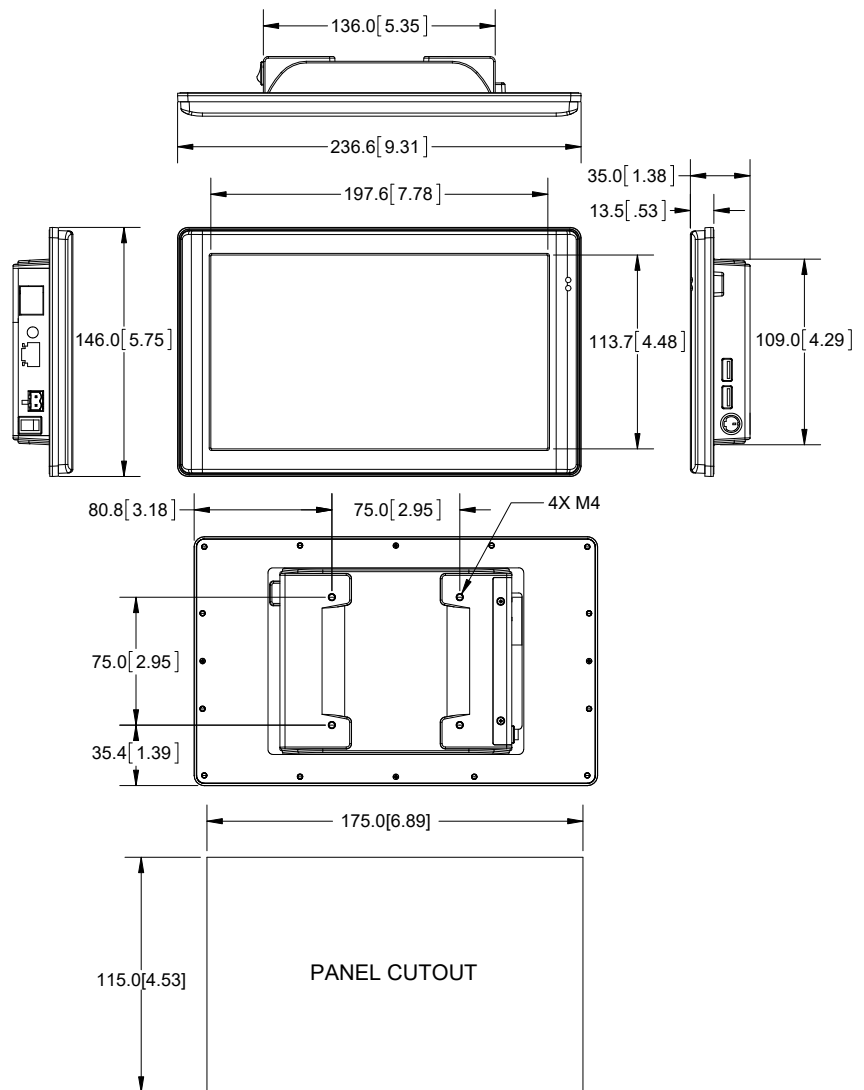
View inspection images

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.