COGNEX

VISIONVIEW WEB

WebHMI Display Panel

VisionView® Web is a family of devices that display web-based human machine interfaces (WebHMIs). These devices offer runtime visualization for monitoring and controlling Cognex vision systems, sensors, and barcode readers, directly on the factory floor. Having this technology near the production line makes it more efficient to set up and monitor runtime operations. Through the intuitive interface, users can discover devices on their local network, access tool parameters, and configure their applications.

VisionView Web offers an alternative to managing devices through a PC. Just like Cognex vision systems and sensors, VisionView Web can be connected to local automation networks and provide line operators with monitoring and configuration capabilities.
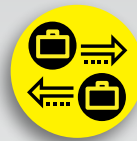
Key features

Automatic system discovery
Quickly detect any WebHMI-capable In-Sight® or DataMan® system on your network.

Job change management
Eliminate downtime during changeovers by training applications and modifying configurations on the plant floor.

Mix and match HMIs
View In-Sight and DataMan WebHMIs in a tiled view, up to 4 connections at a time.

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

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

Access to tool parameters
View operator controls and items selected from the software directly on the display panel.

VisionView Web Platforms

VisionView Web is available on two hardware platforms – VisionView Web Panel and VisionView Web HDMI. VisionView Web Panel is a 9-inch (229 mm) touch screen and VisionView Web HDMI is a screenless device that connects to third-party displays. Each option allows operators to load jobs, adjust tool parameters and regions of interest, and see inspection results on the factory floor, without a PC.

- 2 USB ports for connecting a mouse or keyboard, or storing images and jobs on a removable drive
- Connect and monitor up to 4 systems

Compatible Cognex WebHMI Systems

VisionView Web supports all WebHMI-capable In-Sight vision systems and sensors and DataMan fixed-mount barcode readers.

- In-Sight 3800
- In-Sight 2800
- In-Sight SnAPP
- In-Sight D900
- In-Sight Explorer Devices with WebHMIs
- DataMan 280*
- DataMan 580*
- DataMan 374*
- DataMan 474*

When WebHMI is enabled

VISIONVIEW WEB PANEL SPECIFICATIONS

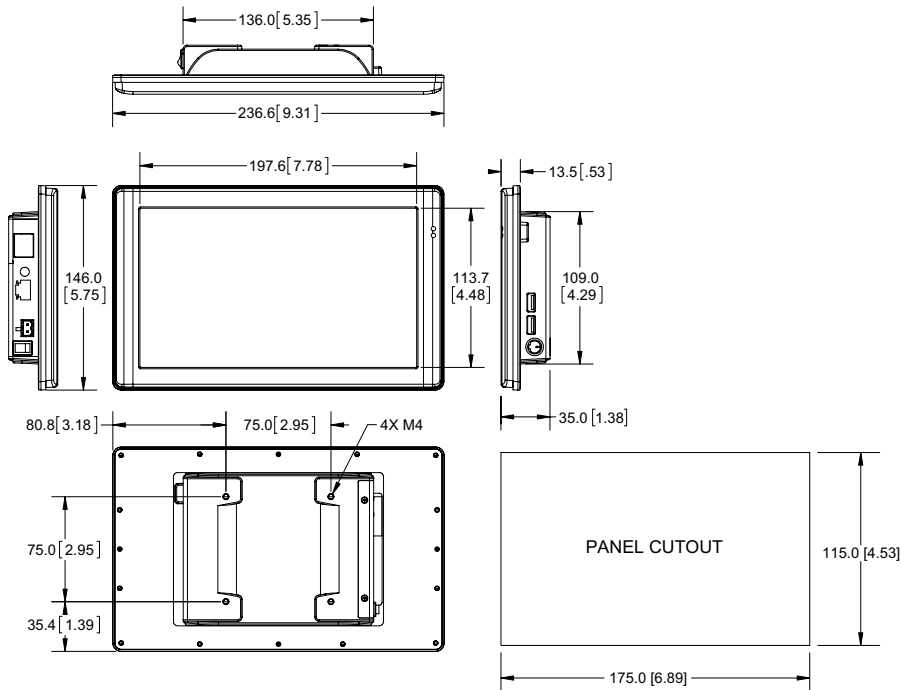|		
Display	Size	9in/229mm WVGA (10:6 aspect ratio)
	Type	TFT LCD
	Resolution	1024 x 600 (614,400 pixels)
	Number of Colors	262,144 (18 bits/pixel)
	Luminance	300 nit
	Backlight Life	20,000 hours
Touchscreen		Analog resistive: 4 wire
I/O	Network	1 Ethernet port, 10/100 BaseT, TCP/IP Protocol, Full Duplex
	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.
Environmental	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)
Certifications		EU, RoHS, REACh, UKCA, FCC, TÜV, KCC, BIS, NOM, CE, VCCI

VISIONVIEW WEB HDMI SPECIFICATIONS

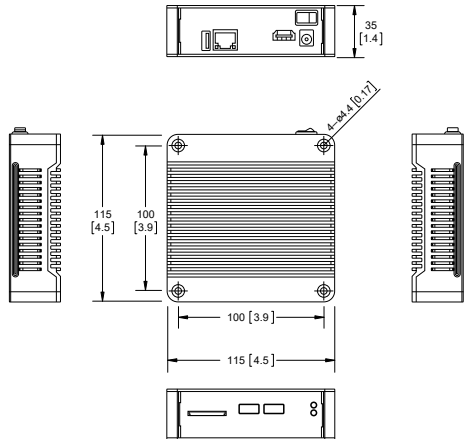|	
HDMI	HDMI 1.3 (MAX.1920 x 1080 pixels)
Ethernet	RJ45 (GbE)
USB	USB 2.0 x3 (Front x2 + Rear x1)
SD Card Slot	SD Slot x1 (Internal slot Optional)
Power Requirement	DC +12V~+36V
Dimensions	115 x 115 x 35mm/DIN Rail Support (Optional)
Net Weight	700g
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Certifications	EU, RoHS, REACh, UKCA, FCC, TÜV, KCC, BIS, NOM, CE, VCCI

PRODUCT IDS AND DESCRIPTIONS

Product ID	Description
VVW-P	VV Web HDMI Panel
VVW-H-AU	CFKIT, VV Web HDMI with AU PS
VVW-H-EU	CFKIT, VV Web HDMI with EU PS
VVW-H-NOM	CFKIT, VV Web HDMI with NOM PS
VVW-H-UK	CFKIT, VV Web HDMI with UK PS
VVW-H-US	CFKIT, VV Web HDMI with US PS

VisionView Web Panel

136.0 [5.35]

236.6 [9.31]

197.6 [7.78]

13.5 [.53]

146.0 [5.75]

113.7 [4.48]

109.0 [4.29]

80.8 [3.18]

75.0 [2.95]

4X M4

35.0 [1.38]

75.0 [2.95]

35.4 [1.39]

PANEL CUTOUT

115.0 [4.53]

175.0 [6.89]

VisionView Web HDMI

35 [1.4]

4-ø4.4 [0.17]

115 [4.5]

100 [3.9]

100 [3.9]

115 [4.5]

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