5-inch full color glove-friendly touchscreen

Rugged IP-65 Rated Enclosure

Essential display features at an unprecendented value

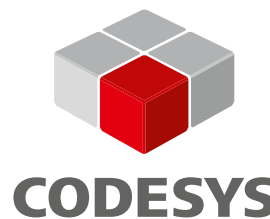Compatible with CODESYS, an implementation of the IEC-61131-3 Standard

UNLOCKING INDUSTRY-STANDARD CONTROL DEVELOPMENT WITH CODESYS

The OpenView™ S50 is a full-color, edge-to-edge touchscreen display powered by the NEXT DISPLAY PLATFORM™ and optimized for CODESYS® development. Built on an open, industry-recognized programming standard, the OpenView™ S50 enables rapid application development through reusable code, proven libraries, and a familiar IEC 61131-3 environment.

Easily viewed in full sunlight, the OpenView™ S50 features a high-brightness LCD housed in a rugged IP65-rated enclosure, delivering the reliable all-weather performance Enovation Controls is known for, now paired with faster development cycles and streamlined long-term support.

The OpenView™ S50 comes standard with a glass-front, glove-friendly touchscreen, making it well-suited for a wide range of industrial and mobile applications.
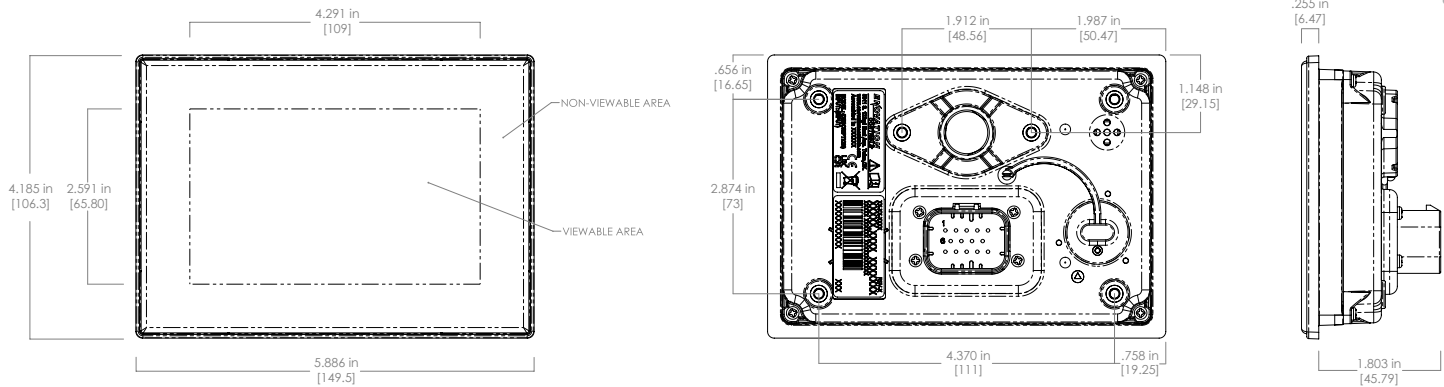
BUILT FOR:

CODESYS × WebVisu

Tier 4 Final ready Stage IV

IP 65

OpenView™ **S50**

DIMENSIONS

4.291 in [109]	
4.185 in [106.3]	2.591 in [65.80]
5.886 in [149.5]	

NON-VIEWABLE AREA

VIEWABLE AREA

1.912 in [48.56]   1.987 in [50.47]

.656 in [16.65]

1.148 in [29.15]

2.874 in [73]

4.370 in [111]   .758 in [19.25]

.255 in [6.47]

1.803 in [45.79]

PRODUCT SPECIFICATIONS

COMPUTING

PROCESSOR	2x 650Mhz Arm Cortex A7 + GPU (OS/Graphics)
COPROCESSOR	1x 200Mhz Arm Cortex M4 (Real time control)
STORAGE	4GB eMMC flash for operating systems and applications
RAM	512MB, 16 Bit
GRAPHICS	Integrated graphics processor

ELECTRICAL/ENVIRONMENTAL

OPERATINGVOLTAGE	6 – 36 VDC, reverse polarity protected
OPERATING TEMP	-20°C to 70°C
STORAGE TEMP	-30°C to 70°C
PROTECTION	IP65
VIBRATION	IEC 60068-2-64
SHOCK	IEC 60068-2-27
EMC/EMI	ISO 14982:2009, ISO 13766:2018

⚠️**WARNING**: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

INTERFACES

CAN	1CAN
SERIAL	USB 2.0, *RS-485
WIFI	802.11 blg/g/n
BLUETOOTH	*Bluetooth V4.2 + EDR BR/EDR and Bluetooth LE specification
INPUTS	2x Resistive (0-5V), 2x Dig/Ana (0-36v)
OUTPUTS	2x 500 mA Low-side
USB	USB Type-C with Locking Connector

DISPLAY/HMI

SCREEN	5-inch, RGB IPS LCD w/ LED backlight 24bit color
RESOLUTION	800 x 480
CONTRAST RATIO	800:1
TOUCH PANEL	Projected capacitive (PCAP) with glove touch
BUZZER	For alarms & notifications. 80dB, Adjustible Frequency

*Bluetooth and RS485 not available on CODESYS®

FOR MODEL & PART INFORMATION

ENOVATIONCONTROLS.COM/S50

FOR MANUAL & SUPPORT DOCUMENTS

SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT

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