ENOVATION CONTROLS®
A HELIOS TECHNOLOGIES COMPANY

# POWERVIEW® P70

7" Premium Color Touchscreen Display

All Weather Durability

Industry Leading Sunlight Readability




NOT ACTUAL DISPLAY, FOR REFERENCE ONLY

## THE NEXT GENERATION OF PREMIUM RUGGED DISPLAY CONTROLLERS.

The PV-P70 is the newest display in the PowerView line up. It combines the modern glass-front form factor of a PV-700 with a similar I/O of the PV-485.

The P70 will be offered in two variants: one with the core technology features expected of a PowerView display: Ruggedness, Sunlight Viewability, All-weather durability. The second adds powersports-specfiic features such as an internal GPS receiver, 2.4GHz Wi-Fi, and 2.5 zone audio out to the core technology set.

## INTRODUCING THE POWERVIEW **PRO SERIES**

### BUILT FOR POWERVIEW:

PowerVision Configuration Studio® software lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.

Tier 4 Final ready Stage IV

IP 66 IP 67

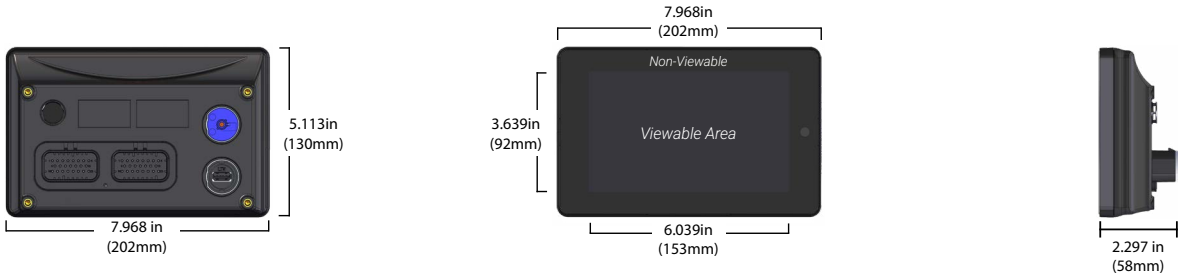
ENOVATIONCONTROLS.COM/P70

# POWERVIEW® P70

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## DIMENSIONS

IMAGES DO NOT REFLECT ACTUAL DISPLAY - FOR EXAMPLE ONLY




## PRODUCT SPECIFICATIONS

| COMPUTING | |
|---|---|
| PROCESSOR | Renesas® RZ/G1e Arm® Cortex®-A7 dual-core processor @ 1.0 GHz (32-bit) |
| SOFTWARE | QNX® Realtime Operating System |
| STORAGE | 8 GB |
| RAM | 512 MB DDR3-SDRAM |
| GRAPHICS | Integrated Graphics Processor |
| REAL TIME CLOCK | Li-Ion Battery Backup |

| DISPLAY/HMI | |
|---|---|
| SCREEN SIZE | 7-inch LVDS TT |
| RESOLUTION | 800 x 480, 24-bit color |
| CONTRAST RATIO / BRIGHTNESS | Typ. 1000:1, 1000 cd/m² |
| SURFACE | Anti-glare finish |
| TOUCH PANEL | Projected capacitive (PCAP) with glove touch |
| POLARIZATION | Omnidirectional |
| AMBIENT LIGHT SENSOR | Used for Auto Brightness feature |

| AUDIO/VIDEO | |
|---|---|
| ANALOG VIDEO | (2) NTSC/PAL Differential Video Inputs |
| AUDIO | 2 Zone Stereo Line Level Outputs, 20Hz - 20Khz<br>Subwoofer Mono Line Level Output, 30Hz - 250Hz<br>Amp Turn-On (High side Vbatt out, 500mA max) |

| INTERFACES | |
|---|---|
| CAN | (2) CAN 2.0B according to ISO 11898-2, J1939 & custom protocols, Software selectable 120 ohm termination resistor on CAN 1 and CAN 2 |
| USB | (1) USB 2.0B full speed host - bulkhead connector on back panel |
| WIFI | 802.11 b/g/n radio - Optional |
| BLUETOOTH | 5.0 Class 1 - Optional |

| ELECTRICAL | |
|---|---|
| OPERATING VOLTAGE | 9 – 36 VDC, reverse polarity protected |
| INPUTS | (4) Digital (active-high, discrete)<br>(4) Analog (10 bit resolution, 0-5VDC, 4-20mA, resistive with 276 ohm pullup to 5Vdc) |
| OUTPUTS | (1) Analog Out 0 - 5Vdc<br>(1) Digital High Side (Vbatt, 10A)<br>(4) Digital Low side (500 mA ) |

| ELECTRICAL/ENVIRONMENTAL | |
|---|---|
| OPERATING TEMPERATURE | -40°C to +70°C |
| STORAGE TEMPERATURE | -40°C to +85°C |
| PROTECTION | IP66 and IP67, for outdoor use |
| VIBRATION | ISO 15003: 3.9Grms (10 - 350Hz), 3 - axis |
| SHOCK | ±50G in 3 axes |
| EMC/EMI | SAE J1113, ISO 13766, CE per 2014/53/EU |

⚠ **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.

**FOR MODEL & PART INFORMATION**
ENOVATIONCONTROLS.COM/P70

**FOR MANUAL & SUPPORT DOCUMENTS**
SUPPORT.ENOVATIONCONTROLS.COM

**FOR SUPPORT & WARRANTY**
ENOVATIONCONTROLS.COM/SUPPORT

## SALES CONTACT

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