



MURPHY®

by **ENOVATION** CONTROLS

LARGE, FULL-COLOR DISPLAY BRINGS POWER TO RUGGED APPLICATIONS

POWERSVIEW®
1200



Largest display in the PowerView line at 12.3-in.

Boasts high-speed processor and wide format display

Easy-to-use configuration software

CAN-based display with rich, full-color graphics

Bonded glare-free LCD screen



Enovation Controls brings a new experience to rugged applications with the PowerView 1200. Offering more memory and more real estate, PV1200 shows vital engine and application information on one ultra-wide screen. With 8 GB of storage, the PV1200 is powered by a 1.5 GHz processor to provide ample room for configuration and drive seamless graphics.

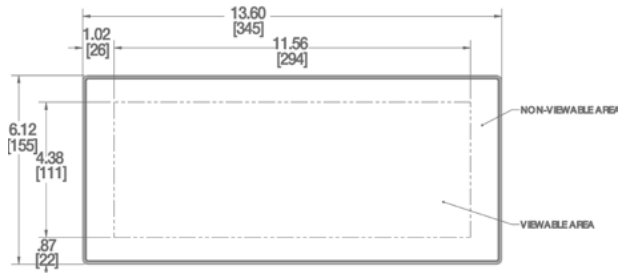
The 12.3-inch screen can be easily viewed, even in full sunlight. The display's bonded LCD and rugged design make it a perfect solution for all types of environments and applications. Available with non-touch and touch (glove-touch) variants/options, the PV1200 is tailored for your application.

Customization of the display can be accomplished quickly via graphical programming or scripting with the PowerVision Configuration Studio® software. This tool allows for quick creation of personalized user interfaces, custom parameters and specialized graphics for on-screen text, OEM branding and more.

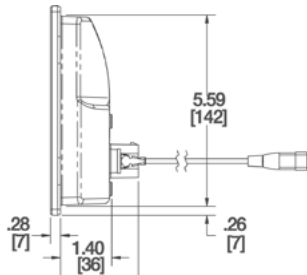
POWerview® 1200

DIMENSIONS

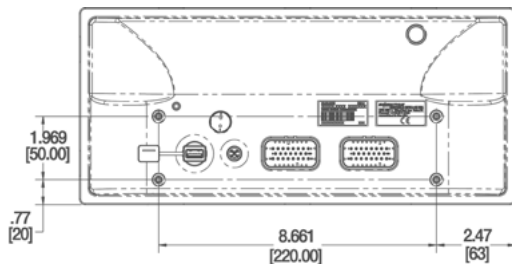
Front



Side



Back



SPECIFICATIONS

COMPUTING:

- Main Processor: Renesas R-Car M2, 32 Bit Arm Cortex A15 Processor @ 1.5 GHz
- Operating System: QNX® Realtime Operating System
- Storage: 8 GB Flash memory
- RAM: 512 MB DDR3-SDRAM
- Graphics: PowerVR SGX544MP2 (3D) (Option)
- Renesas graphics processor (2D)

HARDWARE:

- Display Type: 12.3" (320 mm (H) x 130 mm (V)) LVDS IPS LCD with LED backlight
- Color: 24-Bit color
- Resolution: 1280 x 480
- Contrast Ratio: Typ. 800:1
- Brightness: 1000 cd/m²
- Surface: Anti-glare, touch panel
- Real Time Clock: with battery backup
- Connectors: (2) Ampseal 23 pin (Main)
(1) M12, 5-pin (optional)
(1) USB pigtail
- Video input: (3) NTSC/PAL

COMMUNICATION:

- CAN: (2) CAN 2.0B according to ISO-11898-2; J1939 and proprietary messaging
- Serial: (1) RS-485 serial (Modbus: Master/Slave)
- USB: (2) USB 2.0 Full Speed Host

ELECTRICAL:

- Operating Voltage: 6 – 36 VDC, Reverse polarity protected
- Outputs: (1) 500 mA Switched Low-side
(1) Frequency Output (2Hz – 3KHz)
- Inputs: (3) Analog 0–5 VDC, 4-20 mA, Resistive, 10-bit resolution
(5) Discrete digital, active-high
(1) Frequency In (2Hz - 10kHz) 5Vpk-pk min, 49V pk-pk max

ENVIRONMENTAL:

- Operating Temperature: -20°C to +70°C [-4°F to +158°F]
- Storage Temperature: -40°C to +85°C [-40°F to +185°F]
- Protection: IP66 and IP67, front and back, for outdoor use
- Vibration: 7.86 Grms (5 – 2000Hz), 3 axes
- Shock: ±50G in 3 axes
- EMC/EMI: SAEJ1113, ISO13766, CE per 2014/30/EU

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