LARGE, FULL-COLOR DISPLAY BRINGS POWER, CONNECTIVITY TO RUGGED APPLICATIONS

POWERVIEW®
1200

Pending Q3 Release

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

Compatible with mechanical and electronic engines

Bonded glare-free LCD screen

The PowerView 1200 offers all the features of Murphy's popular PV780 with more power, more memory and more real estate to show vital application information on one screen. With its faster processor, this version of the full-color display adds more connectivity with Bluetooth, Ethernet and Wi-Fi capabilities while it includes an expansive 8GB of storage.

The full-featured, configurable display integrates vital engine, transmission and diagnostic information into an easy-to-read operator interface.
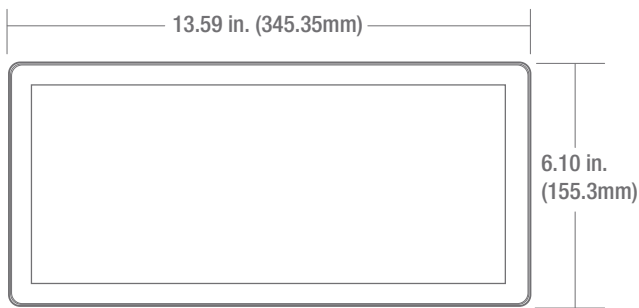
The 12.3-inch screen, with glove touch, can be easily viewed, even in full sunlight. The display's bonded LCD and rugged design make it a perfect solution for all types of environments and applications.

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.
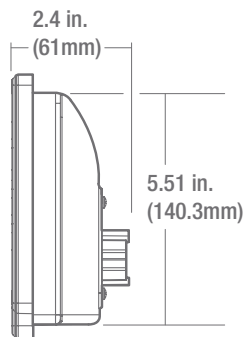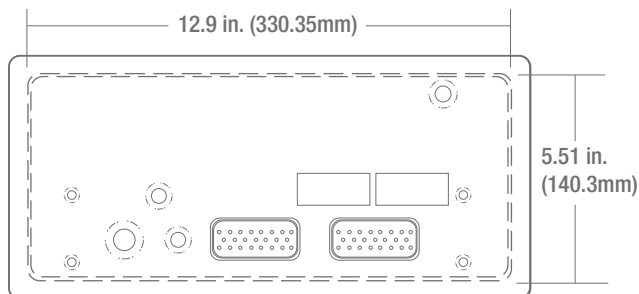
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DIMENSIONS

Front

13.59 in. (345.35mm)

6.10 in. (155.3mm)

Side

2.4 in. (61mm)

5.51 in. (140.3mm)

Back

12.9 in. (330.35mm)

5.51 in. (140.3mm)

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/m^2
- Surface: Anti-glare, hard-coating, touch panel
- Real Time Clock: Available with Li-Ion battery backup
- Connectors: (2) Ampseal 23 pin (Main)
                (1) M12, 5-pin (Ethernet)
                (1) USB pigtail
- Video input: (3) NTSC/PAL

COMMUNICATION:

- CAN: (2) CAN 2.0B according to ISO-11898-2; J1939 and CANopen; proprietary messaging
- Serial: (1) RS-485 serial (Modbus: Master/Slave)
- USB: (2) USB 2.0 Full Speed Host
- Ethernet: (1)Ethernet 10/100 Base-T
- WiFi: 802.11 b/g radio
- Bluetooth: Fully Integrated Bluetooth 2.1, Class 1

ELECTRICAL:

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

120Vpk-pk max

(1) Frequency In (2Hz - 10kHz) 5Vpk-pk min, 120Vpk-pk max

ENVIRONMENTAL:
- Operating and Storage Temperature: -40C to +85C [-40F to +185F)
- 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, E-mark (ECE R10.5), EN13309, EN 14982, CE per 2014/30/EU, FCC part 15

MURPHY®
by ENOVATION CONTROLS

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