

12.1 inch high definition  
display for rich color graphics

Powerful processor for smooth  
animations and video playback

Doubles the ram and storage  
of the PV1100

Bonded glare-free LCD screen  
for superior visibility in sunlight



NOT ACTUAL DISPLAY, FOR REFERENCE ONLY

## HUGE, FULL-COLOR DISPLAY BRINGS THE ULTIMATE USER EXPERIENCE TO RUGGED APPLICATIONS

The PV-U120 Defines the all-new Ultimate Series of Enovation Controls' displays.

Designed specifically to address the unique needs of the recreation marine market, the PV-U120 builds off of the tried-and-true PV1100.

The Best gets Better!

- Double the ram and storage\*
- A larger screen and higher resolution\*
- Improved Bluetooth 5 technology\*
- Same all day, all weather visibility (1000 Nits)\*
- Same high horsepower processor\*
- Same rugged IP67 rating\*
- Same trusted I/O\*
- Adds support for A2B audio and two simultaneous digital video streams over ethernet

\*Compared to the PV1100

## INTRODUCING THE POWERVIEW ULTIMATE SERIES

### BUILT FOR POWERVIEW:

PowerVision Configuration Studio® software version 4.0+ lets programmers design stunning user interfaces, create intelligent applications with scripting and prototyping quickly with a vast library of standard engine parameters.



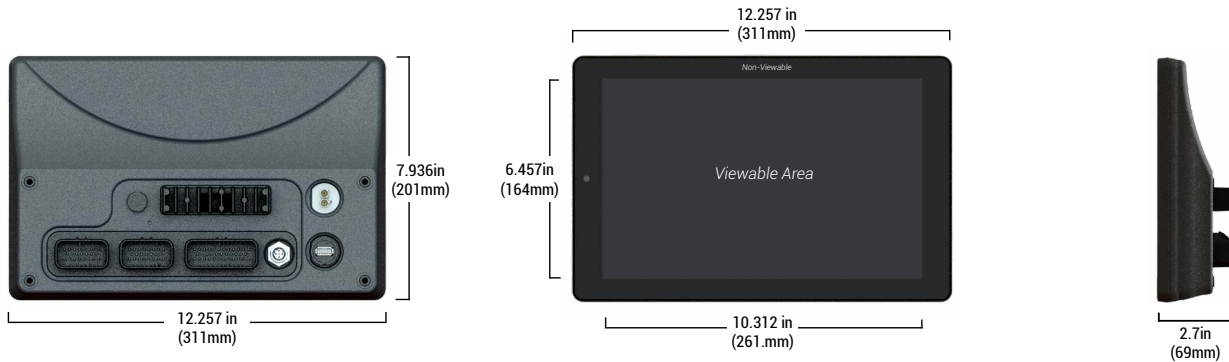
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# POWerview® U120

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## DIMENSIONS

IMAGES DO NOT REFLECT ACTUAL DISPLAY - FOR EXAMPLE ONLY



## PRODUCT SPECIFICATIONS

| COMPUTING                   |                                                                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROCESSOR                   | Renesas R-Car M2 with Arm Cortex A15 dual-core processor @ 1.5 GHz (32-bit)                                                                                                    |
| OPERATING SYSTEM            | QNX® Realtime Operating System                                                                                                                                                 |
| STORAGE                     | 16GB eMMC flash for operating systems and applications                                                                                                                         |
| RAM                         | 1 GB                                                                                                                                                                           |
| GRAPHICS                    | Renesas graphics processor                                                                                                                                                     |
| DISPLAY/HMI                 |                                                                                                                                                                                |
| SCREEN                      | 12-inch, LVDS TFT LCD w/ LED backlight 24bit color                                                                                                                             |
| RESOLUTION                  | 1280 x 800                                                                                                                                                                     |
| CONTRAST RATIO / BRIGHTNESS | 1000:1, 1000 cd/m²                                                                                                                                                             |
| TOUCH PANEL                 | Projected capacitive (PCAP) with glove touch                                                                                                                                   |
| SURFACE                     | Anti-glare finish                                                                                                                                                              |
| AUDIO/VIDEO                 |                                                                                                                                                                                |
| ANALOG VIDEO                | 4x Analog Inputs (NTSC & PAL)                                                                                                                                                  |
| AUDIO                       | JDAB Radio Controls<br>1x A2B connection outputs<br>AM, FM, FM HD, and DAB radio<br>2x Analog audio line inputs<br>3x AMP turn on outputs<br>5x differential stereo audio line |
| INTERFACES                  |                                                                                                                                                                                |
| CAN                         | 2CAN J1939                                                                                                                                                                     |
| SERIAL                      | 2x USB 2.0, 1x RS-485                                                                                                                                                          |
| WIFI                        | 802.11(a, b, g, n)                                                                                                                                                             |
| ETHERNET                    | 100MB M12 Code D Connection                                                                                                                                                    |
| BLUETOOTH                   | Bluetooth 5.0                                                                                                                                                                  |
| INPUTS                      | 5x Digital (active high)<br>3x Analog (0-5VDC, 2-20mA)<br>1x Frequency in (0.5Hz - 20kHz)<br>2x Antenna inputs via FAKRA connector                                             |
| OUTPUTS                     | 2x Frequency outputs<br>1x 500mA switched low-side                                                                                                                             |
| ELECTRICAL/ENVIRONMENTAL    |                                                                                                                                                                                |
| OPERATING VOLTAGE           | 6-36 VDC, reverse polarity protected                                                                                                                                           |
| OPERATING TEMPERATURE       | -30°C to 70°C                                                                                                                                                                  |
| PROTECTION                  | IP67                                                                                                                                                                           |
| VIBRATION                   | ISOv 15003                                                                                                                                                                     |
| SHOCK                       | +/- 50G in 3 axes                                                                                                                                                              |
| EMC/EMI                     | SAE J1113, ISO 13766, CE per 2014/30/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](http://www.P65Warnings.ca.gov).

FOR MODEL & PART INFORMATION

[ENOVATIONCONTROLS.COM/U120](http://ENOVATIONCONTROLS.COM/U120)

FOR MANUAL & SUPPORT DOCUMENTS

[SUPPORT.ENOVATIONCONTROLS.COM](http://SUPPORT.ENOVATIONCONTROLS.COM)

FOR SUPPORT & WARRANTY

[ENOVATIONCONTROLS.COM/SUPPORT](http://ENOVATIONCONTROLS.COM/SUPPORT)

## SALES CONTACT



### CONTACT

✉️ [sales@novationcontrols.com](mailto:sales@novationcontrols.com)

☎️ +1 918.317.4100

[www.novationcontrols.com](http://www.novationcontrols.com)

### CORPORATE HEADQUARTERS

5311 S 122nd E Ave  
Tulsa, Oklahoma, USA 74146

United States • United Kingdom • India • China



FM 28221 (Tulsa, OK-USA)  
FM 29422 (UK)