

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



## 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 POWERSVIEW ULTIMATE SERIES

### BUILT FOR POWERSVIEW:

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.



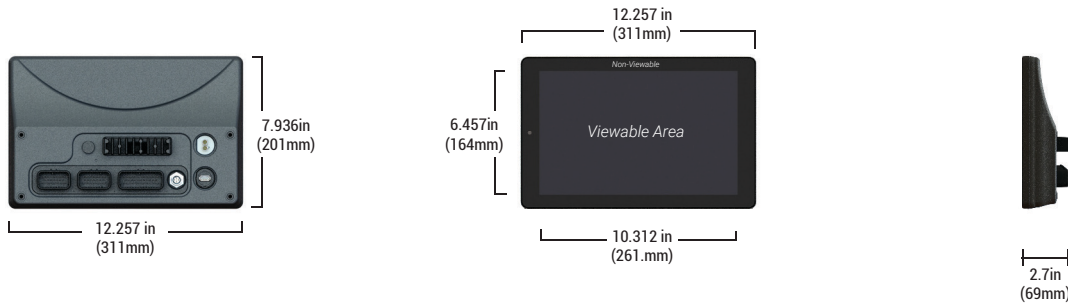
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**Macquarrie**

## PV-U120<sup>®</sup>

### DIMENSIONS

IMAGES DO NOT REFLECT ACTUAL DISPLAY - FOR EXAMPLE ONLY



### PRODUCT SPECIFICATIONS

COMPUTING		INTERFACES	
<b>PROCESSOR</b>	Renesas R-Car M2 with Arm Cortex A15 dual-core processor @ 1.5 GHz (32-bit)	<b>CAN</b>	2CAN J1939
<b>OPERATING SYSTEM</b>	QNX® Realtime Operating System	<b>SERIAL</b>	2x USB 2.0, 1x RS-485
<b>STORAGE</b>	16GB eMMC flash for operating systems and applications	<b>WIFI</b>	802.11(a, b, g, n)
<b>RAM</b>	1 GB	<b>ETHERNET</b>	100MB M12 Code D Connection
<b>GRAPHICS</b>	Renesas graphics processor	<b>BLUETOOTH</b>	Bluetooth 5.0
DISPLAY/HMI		<b>INPUTS</b>	5x Digital (active high or low) 3x Analog (0-5VDC, 2-20mA) 1x Frequency in (0.5Hz - 20kHz) 2x Antenna inputs via FAKRA connector
<b>SCREEN</b>	12-inch, LVDS TFT LCD w/ LED backlight 24bit color	<b>OUTPUTS</b>	2x Frequency outputs 1x 500mA switched low-side
<b>RESOLUTION</b>	1280 x 800	ELECTRICAL/ENVIRONMENTAL	
<b>CONTRAST RATIO / BRIGHTNESS</b>	1000:1, 1000 cd/m²	<b>OPERATING VOLTAGE</b>	6-36 VDC, reverse polarity protected
<b>TOUCH PANEL</b>	Projected capacitive (PCAP) with glove touch	<b>OPERATING TEMPERATURE</b>	-30°C to 70°C
<b>SURFACE</b>	Anti-glare finish	<b>PROTECTION</b>	IP67
AUDIO/VIDEO		<b>VIBRATION</b>	ISOv 15003
<b>ANALOG VIDEO</b>	4x Analog Inputs (NTSC & PAL)	<b>SHOCK</b>	+/-50G in 3 axes
<b>DIGITAL VIDEO</b>	2x Simultaneous streams over ethernet (720 @ 30 FPS)	<b>EMC/EMI</b>	SAE J1113, ISO 13766, CE per 2014/30/EU
<b>AUDIO</b>	JDAB Radio Controls 1x A2B connection outputs AM, FM, FM HD, and DAB radio 2x Analog audio line inputs 3x AMP turn on outputs 5x differential stereo audio line		

FOR MANUALS, SUPPORT DOCUMENTS, AND WIRING DIAGRAMS PLEASE VISIT:

[www.macquarrie.com.au/collections/powerview-displays](http://www.macquarrie.com.au/collections/powerview-displays)