7-inch display with IP69K-rated enclosure for harsh environments

Glass display surface offers enhanced clarity and strength

Optically-bonded, high-brightness screen for full sunlight viewability

Connect four video inputs and watch two feeds simultaneously

Glove-friendly touchscreen

ENG 525-60
57 HRS
2850 RPM
63.0°
57 %
LMI CHART
57 OIL PRESSURE 145 WATER TEMP 28 BATTERY 567 EXHAUST TEMP 57 DEF TANK 57 FUEL

IP69K-RATED GLASS-FRONT DISPLAY FOR THE TOUGHEST EQUIPMENT OF ALL SIZES AND CLASSES

For rugged applications of all sizes, the PowerView 700 is the perfect fit. With a 7-inch LCD screen, operators can get the full view of their equipment on a single all-weather display.

The PV700 is easily viewed in full sunlight and contains an optically bonded LCD inside its IP69K-rated case to keep it safe in all weather environments.

Equipped with a high-speed processor, the PV700 delivers high-quality graphics and animations for a rich user experience.

The PV700 is available in glass-front, glove-friendly touchscreen models to suit the needs of your application.

BUILT FOR POWERVISION

PowerVision Configuration Studio® software version 4.0+ lets programmers design stunning user interfaces, create intelligent applications with scripting and prototype quickly with a vast library of standard engine parameters.
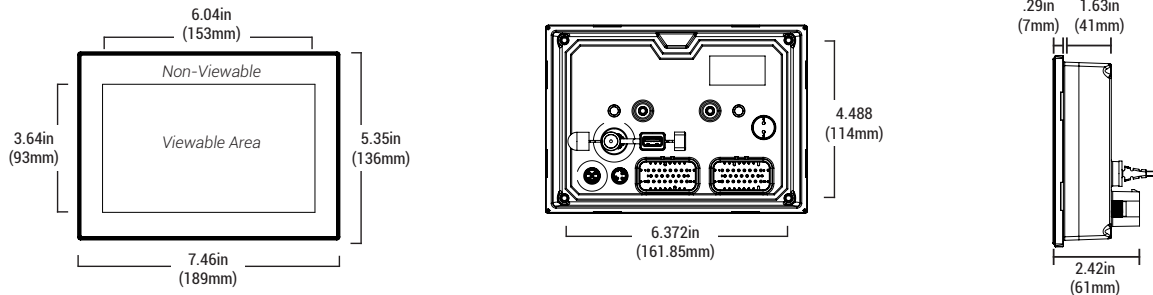
Tier 4 Final ready Stage IV

IP 69K

ENOVATIONCONTROLS.COM/PV700

POWERVIEW® 700

DIMENSIONS

PRODUCT SPECIFICATIONS

COMPUTING

PROCESSOR	Renesas® R-Car M2 with Arm® Cortex®-A15 dual-core processor @ 1.5 GHz (32-bit)
STORAGE	8 GB flash memory
RAM	512 MB DDR3-SDRAM

DISPLAY

SCREEN SIZE	7-inch (178 mm)
TYPE	LVDS TFT LCD with LED backlight, 24-bit color
RESOLUTION	800 x 480 (WVGA)
CONTRAST RATIO	Typ. 600:1
BRIGHTNESS	1000 cd/m²
SURFACE	Anti-glare
TOUCH PANEL	Projected capacitive (PCAP) with glove touch

HARDWARE

REAL TIME CLOCK	Li-Ion battery backup (Typ. Lifespan minimum 10 years), non-rechargeable, non-replaceable
CONNECTORS	(2) AMPSEAL 23 pin (1) M12 5 pin [Ethernet] (1) M12 3 pin (unused) (1) USB pigtail
VIDEO INPUTS	(4) NTSC/PAL (dual-channel viewable)

COMMUNICATION

CAN	(2) CAN 2.0B according to ISO-11898-2; J1939 and proprietary messaging
USB	USB 2.0 full speed host
ETHERNET	1 X Ethernet 10/100 Base-T

ELECTRICAL

OPERATING VOLTAGE	6 − 30 VDC, reverse polarity protected Current Draw: - 12V Max: 1.073A - 12V Min: 0.762A - 24V Max: 0.661A - 24V Min: 0.495A
INPUTS	(3) Analog 0−5 VDC, 4-20 mA, resistive, 10-bit resolution (5) Discrete digital, active-high (1) Frequency in (0.5Hz−20kHz) 5V offset, 2VAC to 120VAC
OUTPUTS	(1) 500 mA switched low-side (1) Frequency output (2Hz−3KHz)

ENVIRONMENTAL

OPERATING TEMPERATURE	-40°C to +75°C (-40°F to +176°F)
STORAGE TEMPERATURE	-40°C to +75°C (-40°F to +176°F)
PROTECTION	IP66 and IP69K, front and back, for outdoor use
VIBRATION	7.86 Grms (5−2000Hz), 3 axes
SHOCK	±50G in 3 axes
EMC/EMI	SAE J1113, ISO 7637-2, ISO 11452, ISO 13766, ISO 16750-2, CISPR 25, EN 13309, CE Mark per 2014/30/EU (EN 61326-1 & EN 60945)

⚠️ **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/PV700

FOR MANUAL & SUPPORT DOCUMENTS

SUPPORT.ENOVATIONCONTROLS.COM

FOR SUPPORT & WARRANTY

ENOVATIONCONTROLS.COM/SUPPORT

SALES CONTACT

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