



ENOVATION
CONTROLS[®]
A HELIOS TECHNOLOGIES COMPANY

OPENVIEW™ DISPLAY FAMILY

WHY OPENVIEW™?



Value Oriented, Rugged, Technology Without Compromise



Full-Color Touchscreen Display-Controllers On Linux



IP65 Rated For Reliability In Harsh Environments



Design U/X & Application Logic With Your Preferred Toolset



Designed For The Life Of The Equipment



Diverse Application Deployment



THE FULL SERIES OF OPENVIEW™ DISPLAYS

The all-new Select Series retains the ruggedness, customizability, and excellent performance Enovation Controls' displays are known for, but with an unprecedented value proposition posed to expand full color rugged displays to new markets.





Edge-to-Edge
Color Displays

S50



S70



-  Industry leading durability and environmental protection
-  Best-in-class, glare-free sunlight visibility
-  Touch screens available *(on some models)*
-  Programmable with Qt & Crank Storyboard using C# and C++

CRANK®

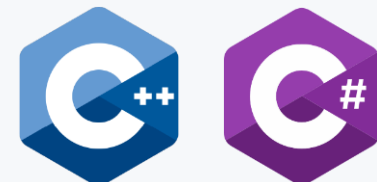
AMETEK®



KEY DIFFERENTIATOR



- Cost Effective Design
- New Markets & Applications
- Open-Source Platform
 - Freedom for experienced software engineers to develop with their preferred tools and modern languages.



TAILORED FOR DIVERSE MARKETS



Material Handling



Construction



Stationary Equipment



On-Road
Recreation



Commercial Food
Service



Bus &
Transportation



Commercial
Lawn Equipment



Commercial
HVAC






OPENVIEW™ S50

The OpenView™ S50 packs power and viewability in a compact display.

- 5-inch display with rich color graphics
- IP65-rated enclosure for harsh environments
- Glass display surface offers enhanced clarity and strength
- Mounting & Programming Kit available as added accessories



-  All Weather
-  Sunlight Visible
-  Engine Monitoring
-  Programmable Via Qt & Crank
-  Gauge Replacement
-  Great for In-Cab
-  Glove-Friendly
-  Touch Capable







OPENVIEW™ S70

The OpenView™ S70 packs power and viewability in a compact display.

- 7-inch display with rich color graphics
- IP65-rated enclosure for harsh environments
- Glass display surface offers enhanced clarity and strength
- Mounting & Programming Kit available as added accessories





-  All Weather
-  Sunlight Visible
-  Engine Monitoring
-  Programmable Via Qt & Crank
-  Gauge Replacement
-  Great for In-Cab
-  Glove-Friendly
-  Touch Capable





OPENVIEW™ DISPLAYS COMPARED



Specifications	OpenView™ S50
Size	5" 800x480 Value Color w/Touch
Operating System	Linux
Software Development	OpenPV [©] +  OR OpenPV [©] + 
Communication	1xCAN, 1xRS485, 1xUSB-C
Connectivity	Wi-Fi, BT
I/O	2x Analog, 2x Digital In, 2x LS Digital Out, Ignition Pin
Environmental	IP65, -20C - 70C

 600 MHz	 512 MB RAM	 4 GB
 1 x CAN	 1 x RS485	 1 x USB-C
 +70° -20° Operating Temp	 WiFi	 Bluetooth
 PCAP	 IP65	 720 NIT

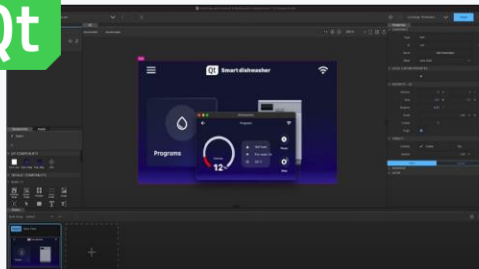
Specifications	OpenView™ S70
Size	7" 1024x600 Value Color w/Touch
Operating System	Linux
Software Development	OpenPV [©] +  OR OpenPV [©] + 
Communication	1xCAN, 1xRS485, 1xUSB-C
Connectivity	Wi-Fi, BT
I/O	2x Analog, 2x Digital In, 2x LS Digital Out, Ignition Pin
Environmental	IP65, -20C - 70C

EMPOWERING DEVELOPER CHOICE

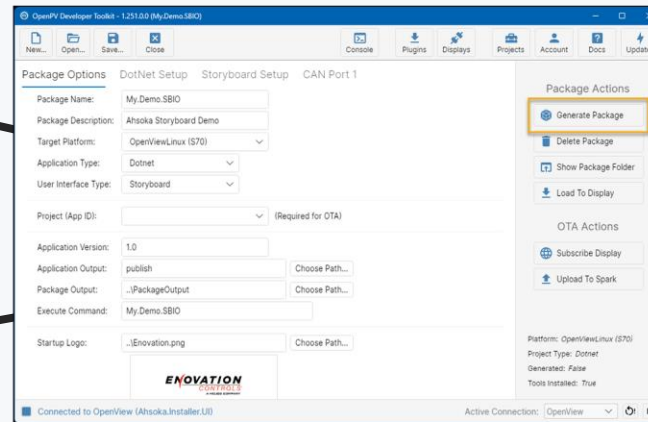
CRANK®



Qt



OPEN PV



OPENVIEW™ S70

Open-Source Platform

Designed specifically on our open platform called OpenPV®. Coupling OpenPV® and the OpenView family of displays allows developers to design user experiences and application logics with their preferred toolset, such as Crank Storyboard® or Qt.



OPENPV[©] FEATURES

FREE	PREMIUM
<p>Create Software Application (For the S50 & S70 using Qt or Crank Storyboard[®])</p>	<p>Over-The-Air Updates Via Wi-Fi (Subscribe multiple displays to check for new application versions automatically)</p>
<p>Run/Test the Application in Development Runtime (On a Windows or Ubuntu desktop)</p>	<p>Version Management (Users can subscribe many displays to receive version X of the application, while subscribing other displays to receive version Y)</p>
<p>Package Application (For the S50 & S70 using OpenPV[©])</p>	<p>“Low friction” Support for multi-users (Multiple developers can utilize features collaboratively, as well as shared development keys for encryption)</p>
<p>Load Application File (via USB-C)</p>	<p>Add-On Modules (Additional premium feature sets coming in future releases)</p>



PRODUCT COMPARISON

PowerView® Display Product Family

- Edge-to-Edge Touch Screen Displays
- Tactile Button Displays
- OS: QNX®



PowerVision® Software Platform

- PowerVision Configuration Studio® for Windows



OpenView™ Display Product Family

- Select Series Displays (S50 & S70)
 - Based on the NEXT Display Platform™
- OS: Linux



OpenPV© Software Platform

- OpenPV© Development Toolkit:
 - Windows
 - Ubuntu
 - Mac (Future Release)



COMPARISON: S50, PV500, & PV485



	S50	PV500	PV485
Screen Size	5-inches (127 mm)		4.3-inches (109.22 mm)
Resolution	800×480 (WVGA)		480×272 (WQVGA)
Software	Qt & Crank Storyboard®	PowerVision Configuration Studio®	
Operating System	Linux	QNX® Realtime	
Processor	Dual-core CPU @ 650 MHz	Dual-core CPU @ 1.0 GHz	CPU @ 532 MHz
Communications	(1) CAN, (1) RS-485, (1) USB 2.0, (1) USB Type-C, BT v4.2, Wi-Fi	(2) CAN 2.0B, (1) RS-485, (1) USB 2.0	(1) CAN 2.0B (1) RS-485
Video	-	(2) NTSC/PAL Single-Channel Viewable	-
Inputs	(2) Analog, (2) Digital	(1) Analog, (2) Digital	(6) Analog, (3) Digital, (1) Frequency
Outputs	(2) Digital		(4) Digital, (1) Analog

COMPARISON: S70, PV700, & PV70



	S70	PV700	PV70
Screen Size	7-inches (178 mm)		
Resolution	1024 x 600	800 x 480 (WVGA)	
Software	Qt & Crank Storyboard®	PowerVision Configuration Studio®	
Operating System	Linux	QNX® Realtime	
Processor	Dual-core CPU @ 650 MHz	Dual-core CPU @ 1.5 GHz	Dual-core CPU @ 1 GHz
Communications	1) CAN, (1) RS-485, (1) USB-2.0, (1) USB Type-C, BT v4.2, Wi-Fi	(2) CAN 2.0B	(2) CAN 2.0B, (2) USB 2.0, (2) BT v4.2, Wi-Fi
Video	-	(4) NTSC/PAL Dual-Channel Viewable	(2) NTSC/PAL Single-Channel Viewable
Inputs	(2) Analog, (2) Digital	(3) Analog, (5) Digital, (1) Frequency	(4) Analog, (4) Digital, (1) Frequency
Outputs	(2) Digital	(1) Digital, (1) Frequency	(6) Digital, (1) Frequency



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THANK YOU