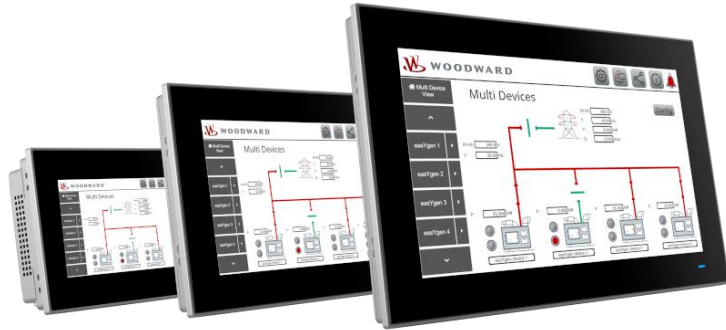


# easYview

## System Visualization



> Intuitive Display

> Seamless Integration

> Remote Operator Control Panel

> Rapid Design for Custom SCADA

> 3rd Party Integration Ready

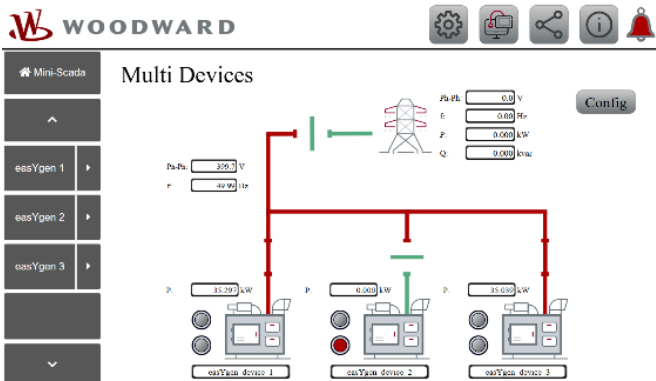
## Power System Visualization Solution

The easYview series by Woodward offers reliable and versatile touch-panel displays designed to simplify power system visualization and control. Designed to streamline the monitoring and control of genset fleets, easYview combines durable hardware, customizable software, and effortless configuration to deliver a scalable, off-the-shelf solution. Built to perform reliably in even the most demanding environments, easYview ensures seamless visualization wherever power is critical.

Benefits include simplified wiring to the access door, keeping high-voltage connections safely remote, and enhancing both convenience and safety.

easYview is an attempt to capture most frequent use cases with Woodward power management controllers adjusting few tunables; however, unique cases arise at times. To enable you to create your own project, there are tools and resources stored in easYview documentation for your convenience.

### Off-the-Shelf Application Modes



#### miniSCADA™

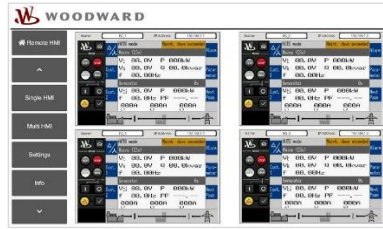
Ideal solution for monitoring and maintaining power systems, supporting configurations of up to four gensets and one utility connection powered by easYgen-3000XT controllers in island or utility-parallel operation. Designed for ease of use, this mode ensures operators stay informed about key system metrics during regular operation and maintenance without delving into unnecessary details.

### remoteHMI™

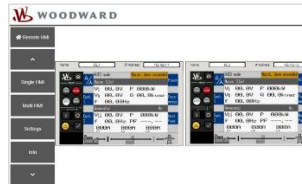
A direct, detailed access to one or more easYgen-3000XT or LS-6XT controllers through an in-built VNC connection. This feature provides real-time remote visualization of the controller's HMI screens, delivering an interface for in-depth system interactions such as alarm and event log.

Whether for commissioning, parameterization, monitoring or troubleshooting, the remoteHMI™ mode ensures operators have the tools they need to efficiently manage and maintain their power systems with precision and ease.

easYview-15-150



easYview-10-150



easYview-07-030



### Simple Plug & Play Visualization for Standard & Basic Single Line Setups

- › **Plug & Play:** Connect via Ethernet, auto-detect easYgen-3000XT controllers. Simply select how you'd like to visualize them.
- › **Click to switch** between remoteHMI™ and miniSCADA™ mode.
- › **Boost Your Brand and Service Loyalty:** Personalized logo and boot-up screen to enhance brand visibility and secure service contracts. Application Note: 37946.
- › **Multilingual screens** of the connected controller in the remoteHMI™ application mode.
- › **Mirror RemoteHMI** screens across multiple easYview devices for synchronized and seamless monitoring.

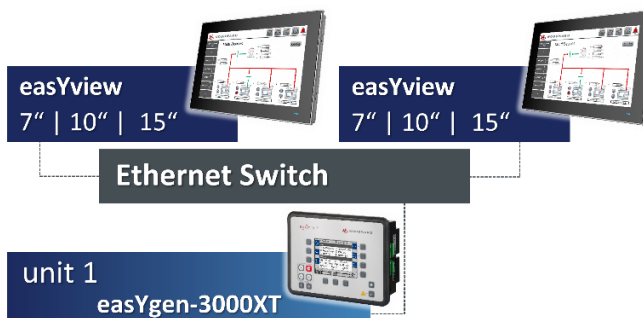


### Security & Protecting Aftermarket with Customization

- › **Security Levels:** Same security levels as the connected control.
- › **Customizable Options:** miniSCADA users can easily adjust settings such as deleting controllers, changing live busbar colors, or modifying utility source data. For advanced customization—like adding additional devices or adjusting the single-line diagram—the atvise®<sup>1</sup> Builder tool can be utilized.

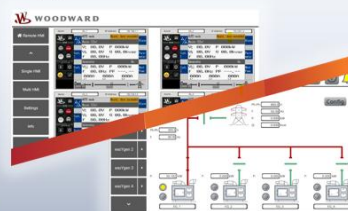
<sup>1</sup> atvise® is registered trademark of Bachmann Visutec GmbH

### Typical Applications



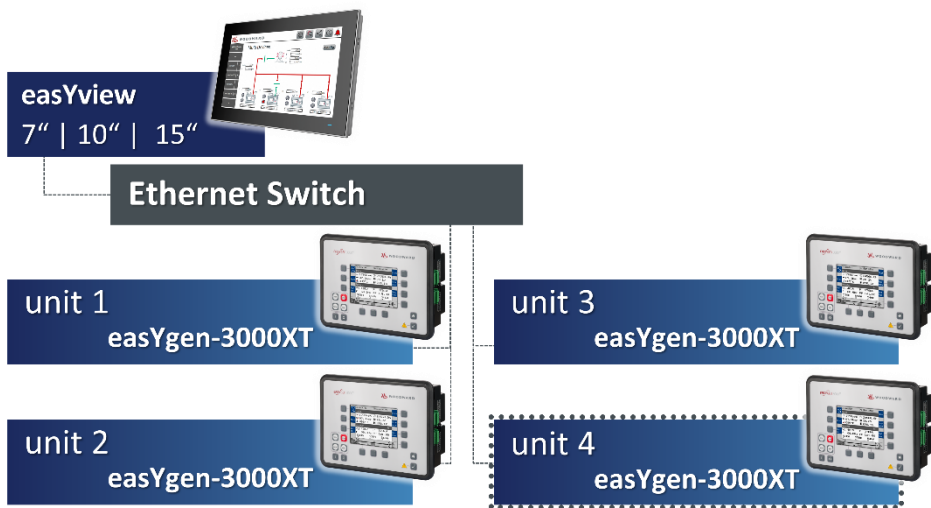
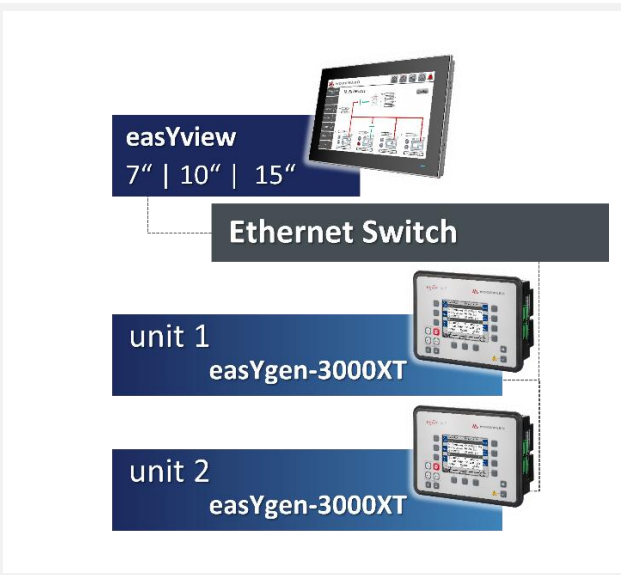
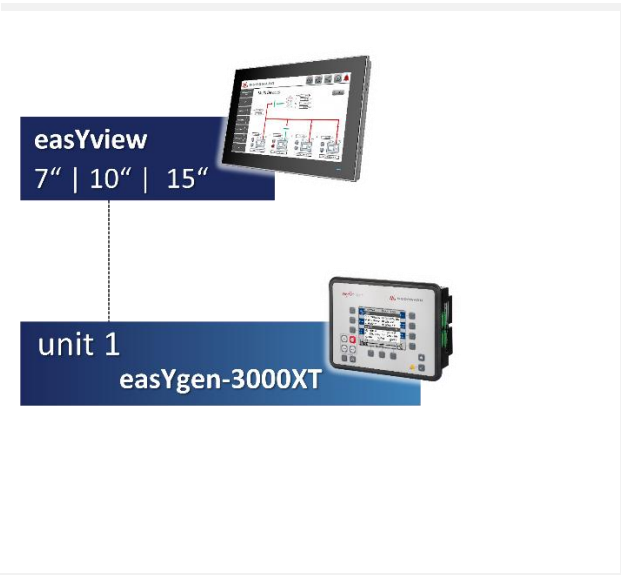
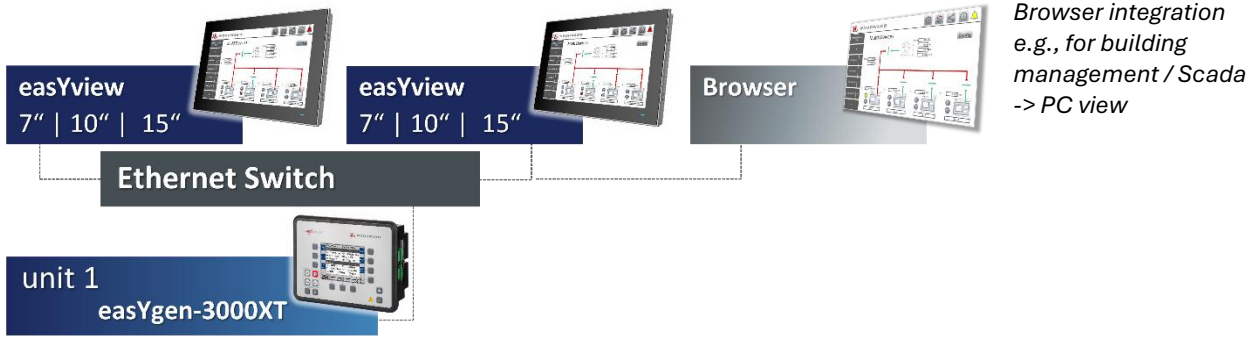
Engine Room, Control Room, Ship Bridge

### Application Modes for easYview



remoteHMI

miniSCADA



\*unit 4: unavailable in easYview-07-030

## Beyond the Standard

### Tailored for Your Needs

A fully customizable plant-level visualization solution powered by the versatile advise<sup>®1</sup> SCADA software, designed to meet your unique operational requirements. By connecting to multiple easYgen-3000XT or LS-6XT devices, it allows you to create a comprehensive system-wide overview, enabling operators to easily monitor critical values and frequently accessed data at a glance. Engineered for seamless integration and flexibility, this solution keeps operators informed during regular operations and maintenance without unnecessary complexity. As a scalable, multi-device visualization system, it enhances efficiency, simplifies system management, and delivers reliable performance to meet the demands of your application.



#### Redefine Possibilities with Maximum Flexibility

- › **Customizable** to add unique visualization requirements for your system.
- › **Openness:** Easy connectivity to other systems through open interfaces.
- › **Full Functionality:** All advise<sup>®1</sup> developer features can be used in full, without any restrictions. The full advise<sup>®1</sup> software license is included in each easYview hardware (utilize advise<sup>®1</sup> builder software).



#### Reduces Installation and Maintenance Complexity

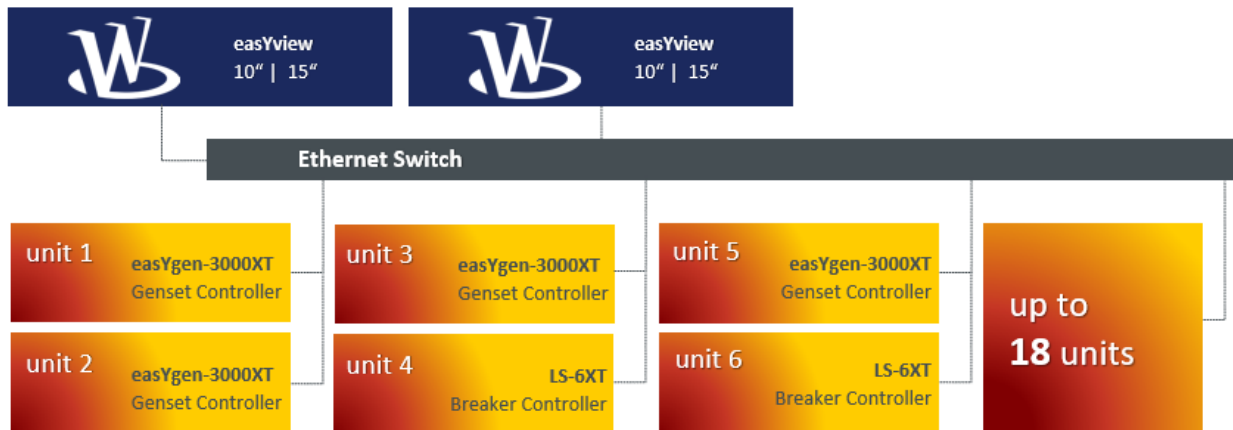
- › **Engineering Time Savings:** Leverage Woodward's pre-engineered software with consistent object orientation in the engineering of data structures and graphic

objects.

Application Note: 37949

- › **Seamless Integration:** Connects effortlessly to multiple easYgen-3000XT or LS-6XT controllers via Modbus TCP, enabling centralized visualization of your power system.  
(Prepared: 9x LS-6XT and 9x easYgen-3000XT)
- › **Simple** intuitive web-visualization engineering tool without web knowledge.
- › **Easy integration** with third-party SCADA systems and remote access via web browsers on multiple devices for streamlined operations and enhanced flexibility.  
(Review limitations of CCDs and 'PC-Mode' solution)

### Typical Application



\* easYview-07-030 has the same functionality, but is limited to a maximum of three units

<sup>1</sup> advise<sup>®</sup> is registered trademark of Bachmann Visutec GmbH

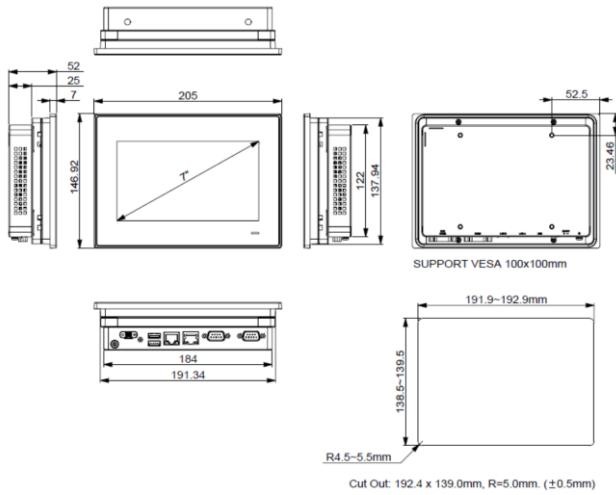
## Ordering Part Number

	easYview-07-030	easYview-10-150	easYview-15-150
<b>miniSCADA™</b>			
Connectable Gensets	3	4	4
Connectable Grids	1	1	1
<b>remoteHMI™</b>			
Simultaneous Connections (sum easygen-3000XT and LS-6XT)	1	2	4
<b>Custom SCADA</b>			
Connectable Devices (Active Modbus Connections)	3	18	18
Concurrent Connected Data (CCD) <sup>2</sup> points	30	150	150
Mirror Nodes	1500	9000	9000
<b>Hardware</b>			
Display Size	7"	10.1"	15.6"
Max. Resolution	1024 X 600	1280 X 800	1920 X 1080
Luminance (cd/m2)	425	500	450
Display Type	WSVGA TFT LCD	WXGA TFT LCD	FHD TFT LCD
<b>Part Numbers</b>	8446-1071	8446-1072	8446-1073

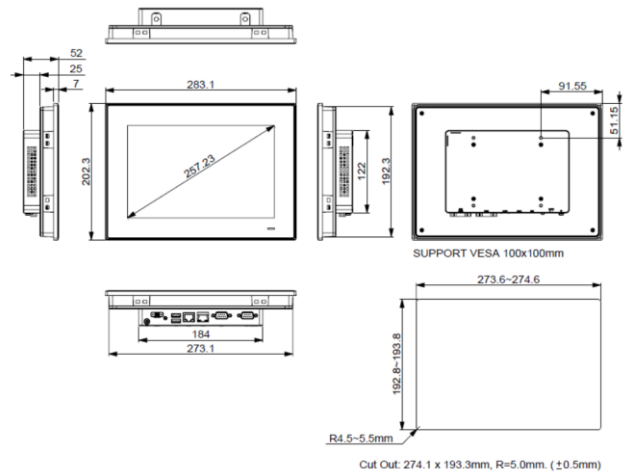
<sup>2</sup> CCD: Concurrent Connected Data points, used at the same time in one page  
Mounting KIT with 10x clamps and screws P/M: 10-052-842  
(ONLY spare parts: one fastening kit included with the unit)

## Dimensions

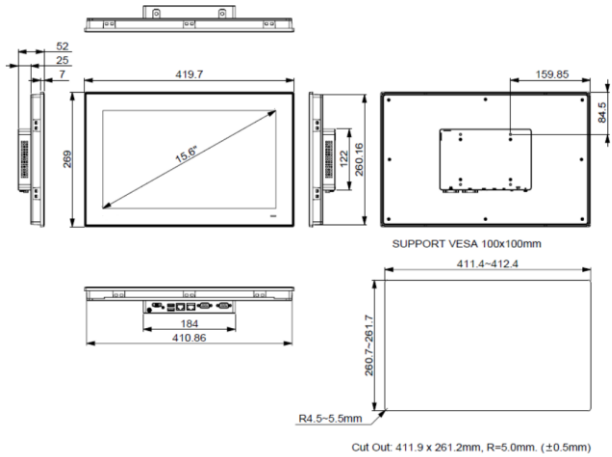
### easYview-07-030



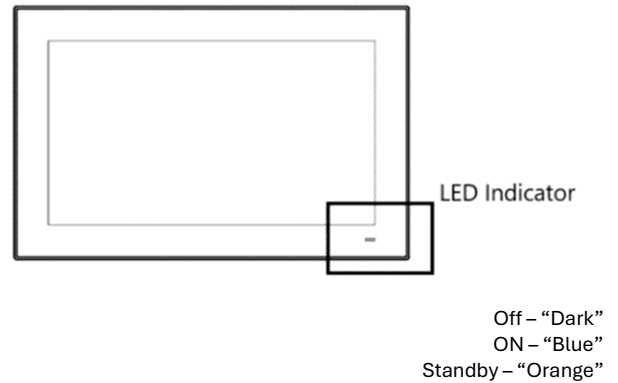
### easYview-10-150



### easYview-15-150



### LED Indicator




## Terminal Diagram



Only power input and LAN A are used for easYview.  
Other interfaces are not used for easYview applications.

**Power Input Terminal:**  
Low voltage / limited energy power source

## Hardware Specifications

<b>Power Supply</b>	24 Vdc ± 20%	<b>Display</b>	
Intrinsic Consumption	Typical 9 W; maximum 21W	Type	P-CAP TFT LCD
Ambient Temperature		Max. Colors	16M
Operation	-20 to 60 °C (-4 to 140 °F)		
Storage	-30 to 70 °C (-22 to 158 °F)		
Ambient Humidity	95% RH@40 °C, non-condensing	Viewing Angle (H/V)	170/170
<b>Housing</b>	Front panel and VESA mounting Die-cast aluminum alloy front bezel Metal Shell	Backlight Life	LED; 50,000 h
Front	True-flat insulating surface	Brightness Adjustable	Yes
Weight	7": 2kg (4.44lb), 10": 3.9kg (8.63lb), 15": 4.1kg (9.03lb)	Treatment	Anti-glare
Sealing	Front, IP66 (with clamp fastening)	Contrast Ratio	800:1
Connection (power supply)	Screw/plug terminals 1.5 mm <sup>2</sup>	<b>Touch Screen</b>	
Interface (others not used)	Ethernet	Touch Points	10 Points
		Light	Transmission Above 85%
<b>System Hardware</b>		Pencil Hardness	>=7H
CPU	NXP® ARM® Cortex™-A53 i-MX 8M Mini quad-core 1.6 GHz processor		
Memory	Quad core: 2 GB DDR4 RAM	Vibration Protection	Operating, random vibration 2 Grms (5 to 500 Hz)
Storage	16GB eMMC	Shock Protection	10G shock under 11ms operation
<b>Software</b>		Disturbance Test (CE)	Tested according to applicable EN guidelines
Operating System	Linux		
Application	miniSCADA™: atvise® remoteHMI™: VNC	Listings	

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