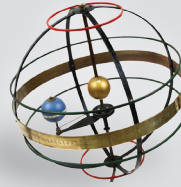


Galileo



Multi-screen Display Processor

COLLABORATE *with your team*

- Connect multiple users to the same server
- Display resources anywhere on the video wall
- Control with a computer, tablet, or phone



VISUALIZE *disparate resources*

- Run applications directly on the video wall
- Capitalize on flexible direct video and IP inputs
- Use the video wall as an extended desktop



SECURE *your information*

- Utilize encrypted IP video + KVM control
- Create user profiles with access boundaries
- Work with corporate user authentication





INTEGRATED APPLICATIONS, VIDEO & IP

RGB Spectrum's Galileo Display Processor is a powerful and economical PC-based video wall system that offers integrated IP inputs and the ability to run applications natively. Combining the flexibility of a PC system with real-time performance, the IP-enabled Galileo processor sets a new standard for PC walls.

REAL-TIME 24/7 PERFORMANCE

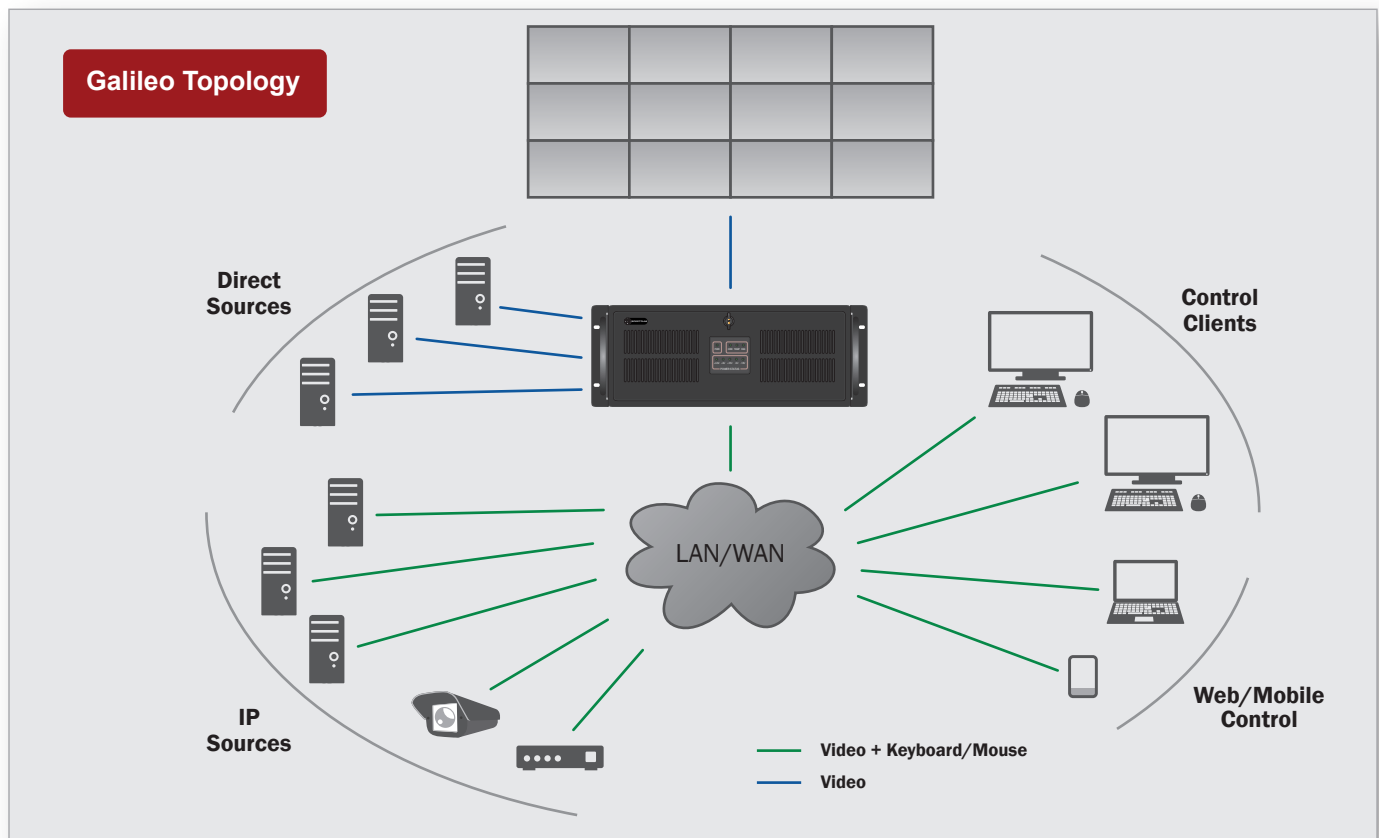
A proprietary driver allows the Galileo processor to deliver real-time throughput and superb image quality, unlike other PC-based systems that can drop frames or cause image tearing.

The processor's solid state drive and hot-swappable, redundant power supplies provide an extra level of reliability.

IP STREAMING INPUTS

IP video streams are decoded directly by the Galileo processor without the need for dedicated input cards or external decoders.

Optimized for use with the Galileo processor, the industry-standard VLC Media Player is used to decode IP inputs to ensure compatibility with a wide range of file formats.



APPLICATIONS

The Galileo processor can run computer applications directly on the video wall. For applications such as SCADA, VMS or videoconferencing, the higher total resolution of the video wall enables operators to view applications with greater clarity and in more detail. The simultaneous display of applications, direct video inputs and IP streams provides enhanced situational awareness.

REMOTE DESKTOP

The Galileo processor offers *multicast* remote desktop functionality. This unique approach enables any authorized client to view the display of another client or remote KVM host. Clients can also place remote KVM hosts onto the video wall for collaborative viewing.

In addition, RGB Spectrum's unique Video Desktop Adapters (VDA) provide the Galileo system with high frame rate, secure, encrypted IP video plus responsive keyboard and mouse (KVM) control.



CONTROL AND COLLABORATION



The Galileo system provides several control options that simplify set-up and operation.

A built-in web interface, accessible on any computer, tablet or mobile device, enables users to recall layouts and move/resize windows. No app is required!

Third-party devices can also provide system control.

The Galileo processor's rich API allows operators to monitor remote alarms, create scripts to recall layouts, and control third-party equipment.

ENTERPRISE SECURITY

For mission-critical enterprise-level applications, we offer enhanced security features that protect the integrity of system data and resources. The optional Galileo Security Pack adds the following capabilities:

User Profile Manager:

- Authenticates users through Active Directory
- Manages users, groups and access privileges
- Restricts working area for specific users
- Limits user access to schedules, layouts, and scripts

Security Log:

- Keeps a record of login and logout events
- Logs window positions and records who is moving them
- Logs when schedules, layouts, and scripts are created, modified or deleted
- Administrators can customize which events to log

Application Note

With the ability to run applications, control third-party equipment, and deliver real-time processing and integrated KVM control, the Galileo processor can act as a versatile control system for smaller-scale control rooms and operations centers. The processor provides unified control over disparate resources and offers sophisticated management tools that support multiple operators and work stations. Designed for 24/7 reliability, the Galileo processor is a feature-packed visual integration platform for mission-critical control rooms.



EXPAND
your horizons with

Galileo





Specifications

	GO-16	GO-40	GO-56
Physical			
Size (h x w x d)	7.0 x 19.0 x 16.8 inches (4RU) 177 x 483 x 427 mm	7.0 x 19.0 x 26.0 inches (4RU) 177 x 483 x 657 mm	7.0 x 19.0 x 26.0 inches (4RU) 177 x 483 x 657 mm
Weight	37 lbs/16.8 kg	57 lbs/26 kg	57 lbs/26 kg
Power			
Power Supply	100-240 VAC; 50/60 Hz Dual redundant 800 W max	115-230 VAC; 50/60 Hz Dual redundant 810 W max	115-230 VAC; 50/60 Hz Dual redundant 810 W max
<i>Power consumption depends on specific configuration.</i>			
Environmental			
Operating Temperature	+32 to +104 °F (0 to +40 °C)	+32 to +104 °F (0 to +40 °C)	+32 to +104 °F (0 to +40 °C)
Storage Temperature	-40 to +149 °F (-40 to +65 °C)	-4 to +140 °F (-20 to +60 °C)	-4 to +140 °F (-20 to +60 °C)
Operating Humidity	20% to 80% non-condensing	10% to 85% non-condensing	10% to 85 % non-condensing
Processor			
CPU	Single Intel® Six Core™ i7	Single Intel® Quad Core™ i7	Single Intel® Quad Core™ i7
Memory	16 GB DDR3	8 GB DDR3	8 GB DDR3
Hard Disk	500 GB SSD; RAID option	500 GB SSD; RAID option	500 GB SSD; RAID option
Control			
Network	2x Ethernet TCP/IP 10/100/1000Base-T	2x Ethernet TCP/IP 10/100/1000Base-T	2x Ethernet TCP/IP 10/100/1000Base-T
I/O			
Inputs	DVI/HDMI 1.3: up to 1920x1200 @ 60Hz, 2560x1600 @ 30Hz S-Video: NTSC/PAL/SECAM Composite: NTSC/PAL/SECAM SDI: 1920x1080 @ 60Hz IP: H.264 streams/files; up to 9 simultaneous 1920x1080 @ 30 Hz or other equivalent data rate		
Output Type	DVI/HDMI 1.3: up to 2048x1152 @ 60Hz, 2560x1600 @ 30Hz		
Output Number	16 max	40 max	56 max

Number of input and output channels depends on chassis size and customer configuration.

Specifications subject to change.



Model GO-16



Model GO-40 / 56