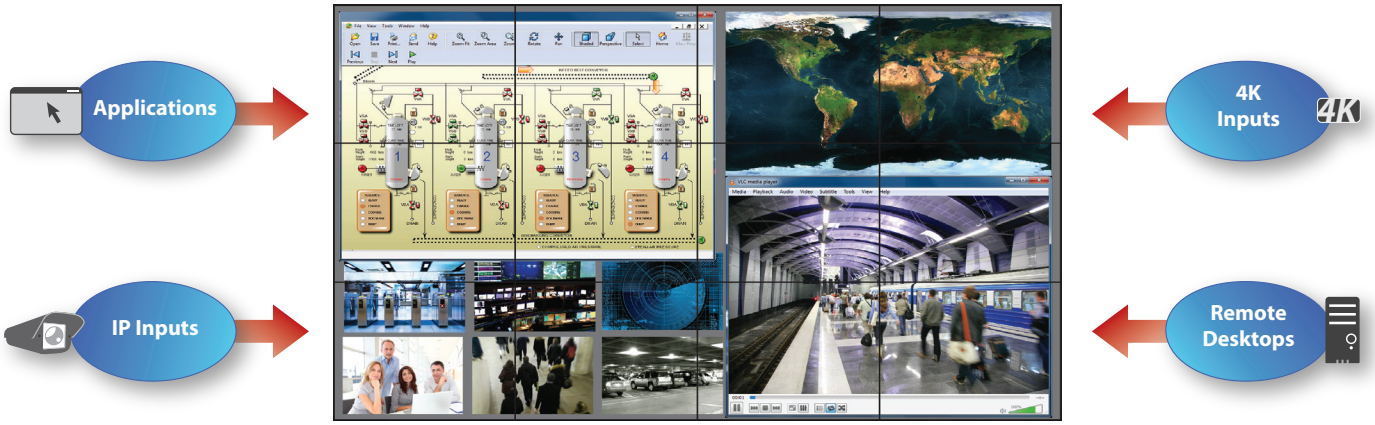
Galileo Display Processor

High Performance PC-based Video Wall System

Overview

RGB Spectrum is well-known for its purpose-built video wall solutions. The new Galileo™ Display Processor adds the benefits of a PC-based system, including IP inputs and the ability to run applications, while maintaining the 24/7 reliability and real-time performance of all of RGB Spectrum's solutions.



A Breakthrough in PC Walls

The Galileo display processor sets a new standard for PC-based video walls, with enhanced performance and reliability:

Proprietary Driver

This enables the system to deliver real-time throughput and superb image quality, unlike other PC-based systems that can drop frames or cause image tearing.

Input Flexibility

The system accepts a full range of signal types including IP, analog, DVI/HDMI and/or 3G-SDI, supporting resolutions up to 3840x2160 (4K).

Robust HDCP

HDCP handling prevents screen flashing and delivers HDCP protected content to up to 56 displays. Other PC-based systems either do not support HDCP at all or impose severe limitations on wall size.

Enhanced Reliability

The processor's solid state drive and dual-redundant power supplies add an extra level of reliability.

Key Features

- IP camera/video compatibility (MPEG2, MPEG4, MJPEG and H.264)
- Inputs up to 3840x2160 (4K)
- Advanced remote desktop technology
- Up to 56 inputs and 56 displays
- Real-time processing
- Bezel compensation and edge-blending
- Dynamic scaling, panning and zooming
- Scripting interface for system control
- Transitions and animations
- HDCP support across all outputs
- Tablet-based control interface

IP and Remote Desktop Support

The Galileo processor supports H.264 decodes for motion video. In addition, our exclusive VDA™ remote desktop technology, with integrated KVM capabilities, provides operators with low-latency control of remote systems via a LAN or WAN. System performance is demonstrably superior to the industry standard VNC.

Advanced User GUI

The Galileo system is easy to set-up and control. An advanced GUI enables “drag and drop” routing of inputs and applications run on the processor, such as VMS, SCADA, and videoconferencing. A convenient tablet interface is also available. An API allows operators to monitor remote alarms, create scripts to recall layouts, and control third-party equipment.

Experience the Power

RGB Spectrum’s new PC-based Galileo display processor combines enhanced video wall performance with the flexibility of a PC system. It’s ideal for a range of applications, from mission-critical operations centers to spectacular lobby displays. With real-time processing and powerful features, the new Galileo display processor is **a PC wall done right.**

Specifications

	GO-12	GO-32	GO-56
Physical			
Size (H x W x D)	3.5 x 19.0 x 15.0 inches (2RU) 89 x 483 x 381 mm	8.75 x 19.0 x 18.0 inches (5RU) 222 x 483 x 457 mm	8.75 x 19.0 x 18.0 inches (5RU) 222 x 483 x 457 mm
Weight	26 lbs/11.8 kg	35 lbs/15.8 kg	35 lbs/15.8 kg
Power			
Power Supply	100-240 VAC; 50/60 Hz, Dual redundant	100-240 VAC; 50/60 Hz, Dual redundant	100-240 VAC; 50/60 Hz, Dual redundant
Power Consumption (chassis)	600 W max	1000 W max	1485 W max
Actual power consumption will vary depending on the specific configuration.			
Enviornmental			
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)	-40 to +149 °F (-40 to +65 °C)	-40 to +149 °F (-40 to +65 °C)
Operating Humidity	20% to 80% non-condensing	20% to 80% non-condensing	20% to 80% non-condensing
Processor			
CPU Standard	Intel® Core™ i7	Intel® Core™ i7	Intel® Core™ i7
CPU Upgrade	Dual Intel® Xeon® E5 (GO-12E5)	Dual Intel® Xeon® E5 (GO-32E5)	Dual Intel® Xeon® E5 (GO-56E5)
Memory	8 GB DDR3; up to 32 GB option	8 GB DDR3; up to 32 GB option	8 GB DDR3; up to 32 GB option
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
Input/Output			
Input Resolutions	DVI/HDMI 1.3: 1920x1200 @ 60Hz, 2560x1600 @ 30Hz, 3840x2160 @ 15Hz S-Video: NTSC/PAL/SECAM Composite: NTSC/PAL/SECAM SDI:1920x1080 @ 60Hz		
Output Resolutions	DVI/HDMI 1.3: 2560x1600 @ 30Hz		

Specifications subject to change.

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