



Planar WallDirector Video Controller

Scalable Video Wall Control



Planar® WallDirector™ Video Controller (VC) is a family of compact and scalable video processors designed to drive Planar video walls using the powerful web-based Planar® WallDirector™ Software management application.

Tightly Integrated with Planar Video Walls

Planar WallDirector VC is available in three models designed to meet the needs of different organizations' use cases. The 1U rack mount device captures multiple 4K inputs and drives the video wall at native resolution while providing signal extension over CAT or fiber connections. The Planar WallDirector VC is designed to work in conjunction with the Planar® Remote Power Supply, and the two mission-critical devices are managed, controlled and monitored within the same Planar WallDirector Software framework.

Control of the Planar WallDirector VC is accomplished using the web-based Planar WallDirector Software or through a comprehensive set of serial commands supporting RS232 or network connections. Planar WallDirector VC is also compatible with leading automation and control systems, allowing it to be managed as part of a larger room system.

- **Compact & Powerful Rack-mount Processor**
- **Scales modularly to support larger video walls**
- **Captures sources & provides signal extension**
- **Configuration, Control & Monitoring through Web-based Planar WallDirector Software**
- **Designed to Work with Planar LCD & LED Video Walls**



Planar WallDirector Software and Planar WallDirector VC tightly integrated with Planar video walls

Scalable by Design

Planar WallDirector VC models can be cascaded together with up to 18 Controllers to support larger video walls and higher resolutions. Planar WallDirector Software manages Planar WallDirector VC groups as if they are one system rather than multiple separate units. Additionally, Full HD or 4K sources can be shared across the video controllers and video walls via a High Speed Link or DisplayPort 1.2 link that act as bus extensions for any source rather than a limited loop-out for a single input.



Planar WallDirector Software allows for management of a multi-unit Video Controller stack as if it were a single controller

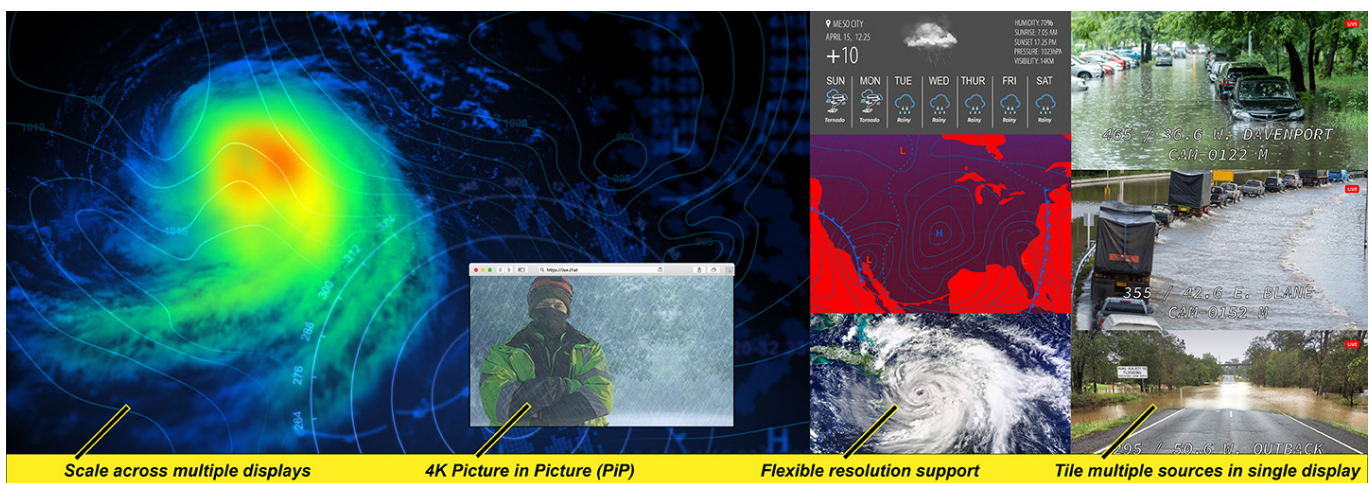
Key Features:

- Slim yet powerful design
- Modular scalability
- Inputs four 4K sources per video controller
- Source routing across video controller outputs
- CAT or FIBER signal extension to wall
- Genlock

Advanced Video Wall Processing

Planar WallDirector VC models offer multiple options to display sources on the video wall. With Planar® Big Picture Plus™ Video Wall Processing, sources can be scaled across the entire video wall or any section of the video wall. Planar Big Picture Plus Processing allows for ultra-high resolution content up to 4K to spread over multiple displays at native resolution or scaled down to a smaller section of the wall.

Solving a range of video wall genlock and synchronization challenges, Planar® WallSync™ uses Smart Genlock to automatically ensure perfectly synchronized video playback without manual configuration. For installations requiring more complex video wall processing, the Planar WallDirector VC is compatible with industry leading video wall processors and matrix switchers.



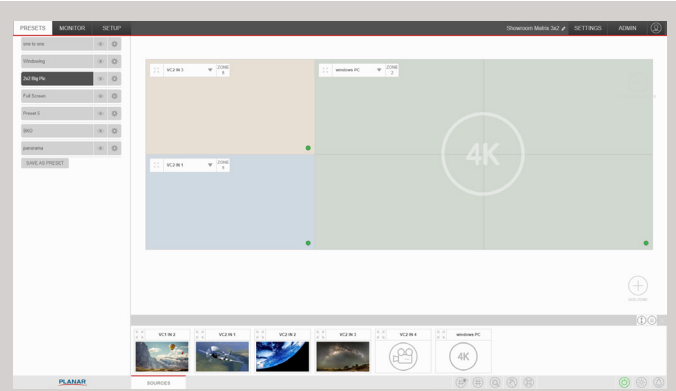
Secure Management

Planar WallDirector Software is a browser-based video wall management application with an intuitive interface that simplifies video wall set-up, configuration, operation and monitoring.

The user-friendly software features one-button presets for set-up and configuration, recalling windowing layouts, dragging and dropping content sources on the video wall canvas and easy manipulation of window size and position. Users can even overlap one content source with another source.

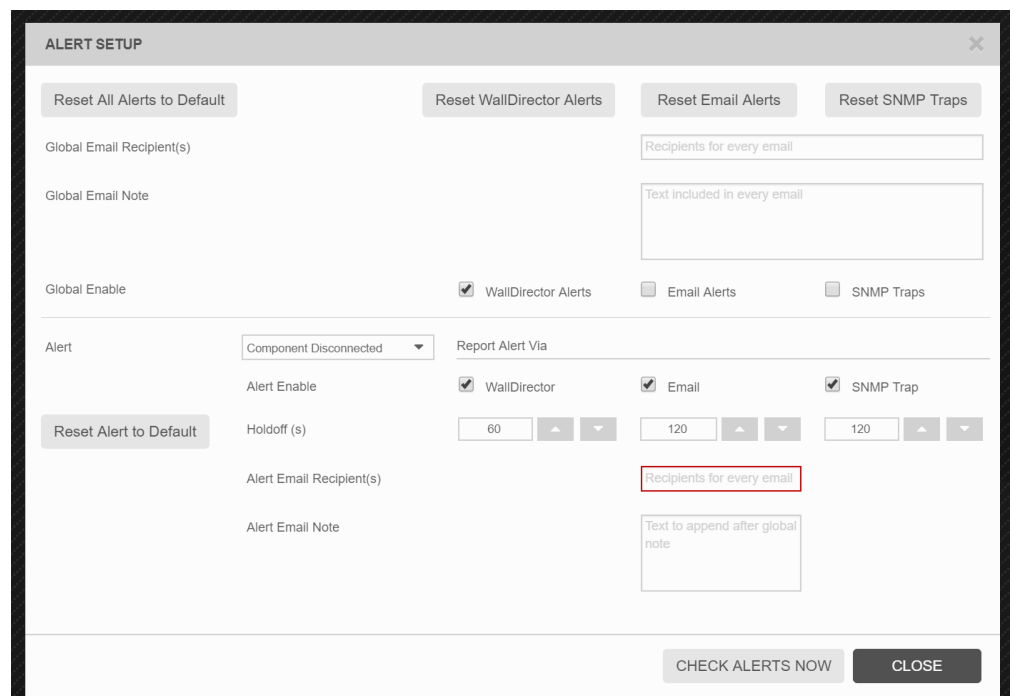
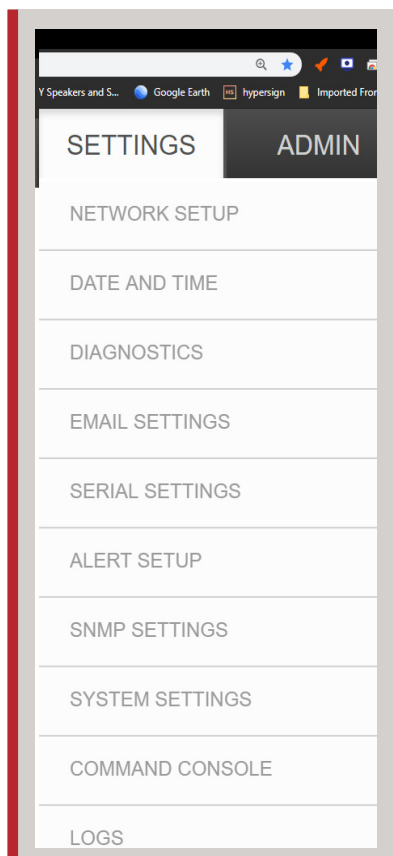
Configurable alerts also help keep you informed. The software, in most cases, can detect the hardware components that are part of the video wall, making setup quick. User permission levels ensure only the people you choose have access to critical administrative settings, while allowing non-administrators to operate the video wall and monitor the health of individual components.

Planar WallDirector offers a simple, easy-to-use management platform that can be securely accessed from anywhere.



Planar WallDirector Software

- Set-up & configure a video wall
- Monitor the health & status of all video wall components from a convenient, centralized location
- Drag & drop video wall canvas, for window positioning & sizing
- Send customized email alerts to select people when specific fault conditions arise
- Store & recall windowing layouts via simple, one-button presets
- Permission levels to limit administrator access
- Proactively troubleshoot power supplies and video controllers



Planar WallDirector Software monitoring, diagnostics, threshold definition and alerting provide better control of video wall and all system components

PLANAR WALLDIRECTOR VC4-HSL, VC4 & VC9

Model Name	VC4-HSL	VC4H-BP+	VC9H-BP+
Supported Products	Planar DirectLight Ultra Series, Clarity Matrix G3 LCD Video Wall System, Planar DirectLight X Series		
Physical Size	1U Rack-mounted Controller, 19" Rack, 265mm depth		
Maximum Output Resolution	Up to 4 Full HD (1920x1080) Display Sections, 8.3M Pixels		Up to 9 Full HD (1920x1080) Display Sections, 18.6M Pixels
Video Inputs	4x HDMI 2.0 (w/HDCP 2.2)	4x HDMI 2.0 (w/HDCP 2.2); 1x DisplayPort 1.2	
Video Outputs	4x RJ45 8P8C	4x RJ45 8P8C, 1x DisplayPort 1.2	9x RJ45 8P8C, 1x DisplayPort 1.2
High Speed Link (HSL)	2 Out, 2 In, QSFP+ cable	N/A	
HSL Loop Capacity	80Gb. 4x 4K or 16x Full HD video sources	N/A	
Optional Fiber Extender	Yes		N/A
Maximum Distance from Video Wall	Standard: 200ft (60m) Fiber Extension: 6500ft (2km)		
Control	IR Remote Control, RS-232, USB, Network, Planar WallDirector Software		
Controller Status	Diagnostic LEDs, Planar WallDirector Software Health Monitoring and Alerts		
Sync	Mini BNC In/Out Black Burst and Tri-level		
Image Scaling	Planar Big Picture Plus Windowing, Planar WallSync, PiP, 4K at 60Hz Upscaling and Downscaling		
Windowing	13 per Video Controller		
Input Power / Draw	24-48V _{DC} / 70W	24-48V _{DC} / 65W	24-48V _{DC} / 75W

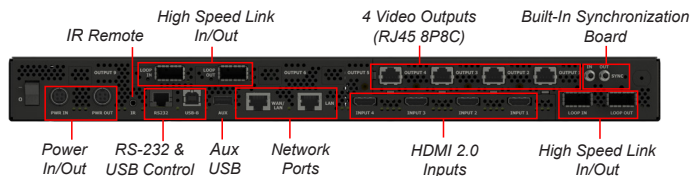
PLANAR WALLDIRECTOR VC4-L

Model Name	VC4-L-F
Supported Products	Planar TVF Series
Physical Size	1U Rack-mounted Controller, 19" Rack, 265mm depth
Output Resolution (max)	Up to 8 Full HD (1920x1080) Display Sections, 16.6M Pixels
Video Inputs	4x HDMI 2.0 (w/HDCP 2.2); 1x DisplayPort 1.2
Video Outputs	4x Fiber SFP+, 1x DisplayPort 1.2
Fiber to CAT Converter	T10-F-C1G/T10-SL-C1G. 4 per VC4-L-F maximum
Distance to T10 (max)	Fiber: 6500ft (2km)
Control	IR Remote Control, RS-232, USB, Network, Planar WallDirector Software
Controller Status	Diagnostic LEDs, WallDirector Health Monitoring and Alerts
Sync	Mini HD-BNC In/Out Black Burst and Tri-level
Image Scaling	Planar Big Picture Plus Windowing, Planar WallSync, PiP, 4K at 60Hz Upscaling and Downscaling
Windowing	13 per Video Controller
Input Power / Draw	100-240V _{AC} / 70W

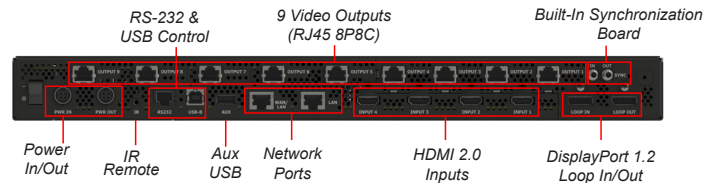
FIBER-TO-CAT CONVERTER T10

Model Name	T10-F-C1G	T10-SL-C1G
Supported VC Version	VC4-L-F	
Physical Size	1U Rack-mounted. 19" Rack, 308mm depth	11.5" x 4" x 1". Fits behind wall
Output Resolution (max)	Up to 2 Full HD (1920x1080) Display Sections, 4.2M Pixels	
Video Inputs	1x Duplex LC	1x Fiber SFP+
Video Outputs	10x CAT 8P8C	
Maximum Distance to Video Wall	CAT 490ft (150m)	Fiber 6500ft (2km)
Input Power / Draw	100-240V _{AC} / 50W	100-240V _{AC} / 35W

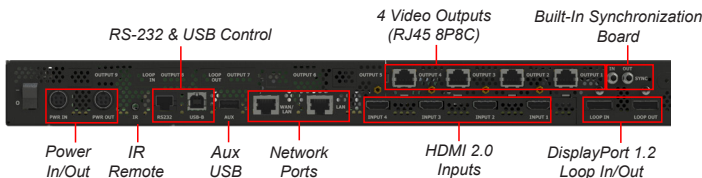
Planar WallDirector VC4-HSL



Planar WallDirector VC9



Planar WallDirector VC4



Planar WallDirector VC4-L

