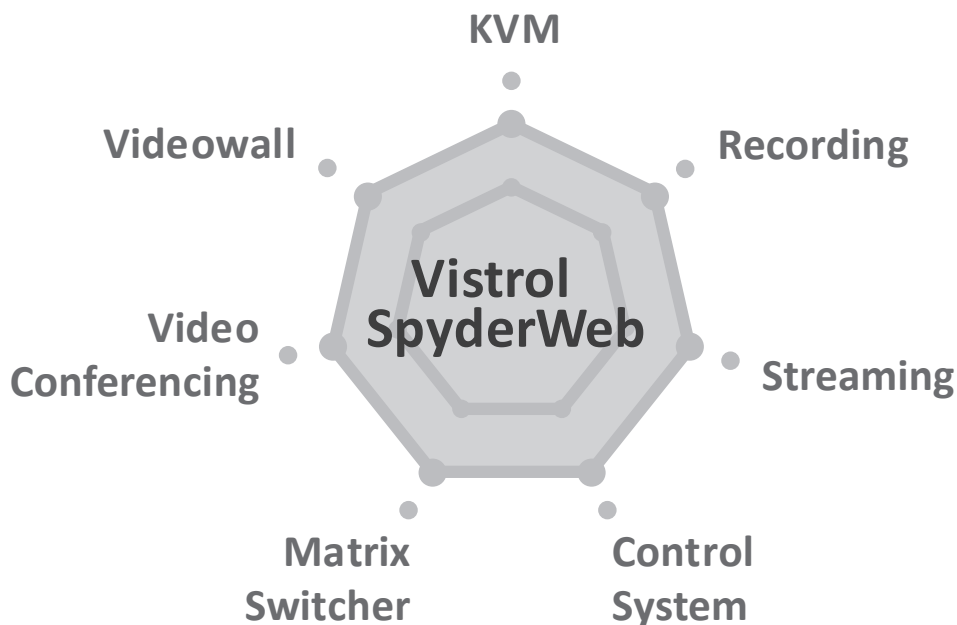


# SpyderWeb Gaia

Pushing Technology to the Next Level

SpyderWeb Gaia combines Videowall Graphics Controller, Keyboard Video Mouse (KVM), Smart Recordings, Streaming System, Smart Control System, Matrix Switcher and Video Conferencing System in one easy to configure and easy to use system.

Only three (3) types of component are involved, SpyderWeb Encoder, SpyderWeb Decoder and a SpyderWeb Server application.



SpyderWeb Possible Application



# Pushing Technology to the Next Level

## Superior Architecture

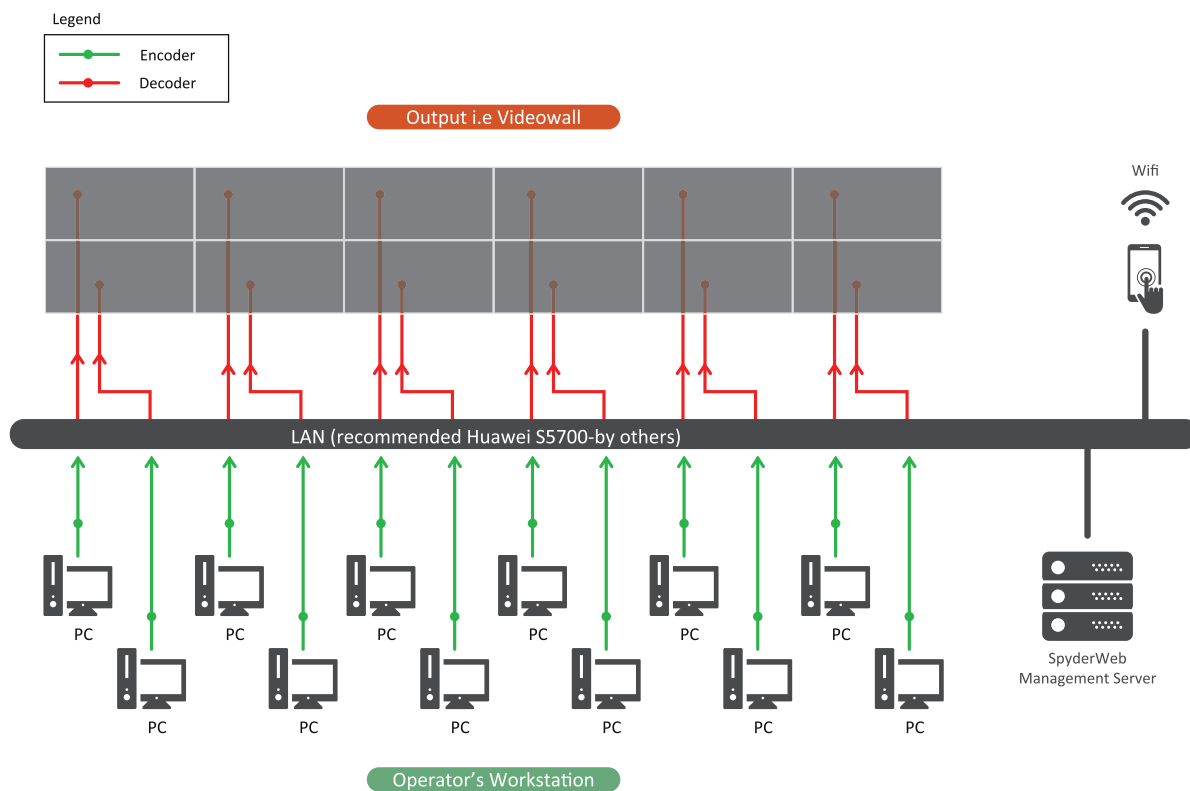
SpyderWeb Gaia was designed with superb redundancy and fail safe features that not any single point of failure will affect the operation of the entire system. Every module is connected to each other in a web manner.

Scalability designed into the core architecture, Vistrol SpyderWeb is easily expandable providing a flexible, future proof system.



## SpyderWeb as Videowall Graphics Controller

In a mission critical control room environment, the videowall and each of its component's reliability and ease of use are crucial. Information must be readily available when needed, and a completely flexible, easy-to-use and robust system is required. Vistrol SpyderWeb is designed to do just that and more.



Typical Videowall System Diagram

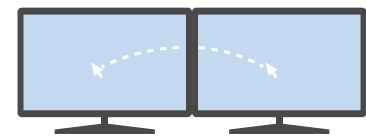
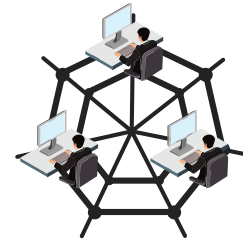
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## SpyderWeb as KVM

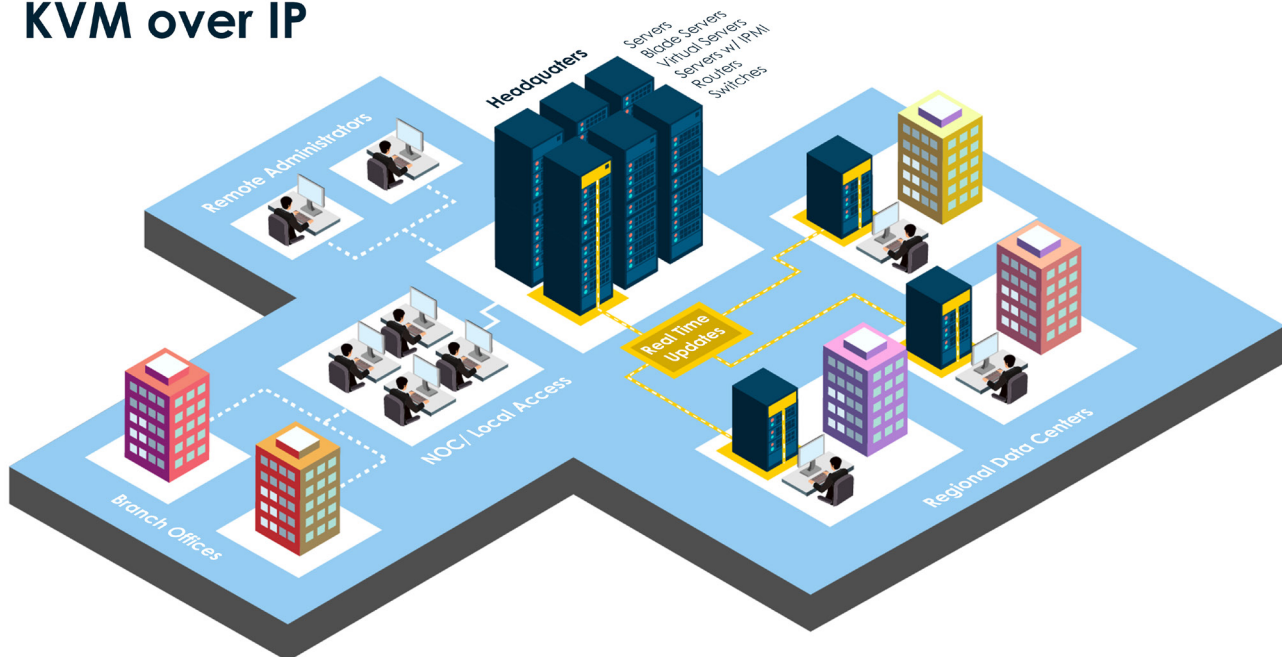
SpyderWeb Gaia allows flexible KVM configuration and usage. With scalability designed into the core architecture, you can add or remove a manage PC/Server or a control point as frequent as you like.

Just connect a SpyderWeb Encoder to a PC and the network to manage a new PC. Or connect a SpyderWeb Decoder to a monitor, keyboard and mouse to increase a control point. You can have a simple KVM setup or a robust cobweb setup, all done with the same simple component.



One of the unique feature of SpyderWeb as KVM is its ability to switch the control of a PC by just moving the mouse to the corresponding screen. Traditionally, users will have to toggle an On-Screen-Menu to switch between PCs. This seamless switching of control capability will help user perceive as if he/she is working on a single PC with multiple screens.

## KVM over IP



KVM System Diagram



## SpyderWeb as Smart Control System

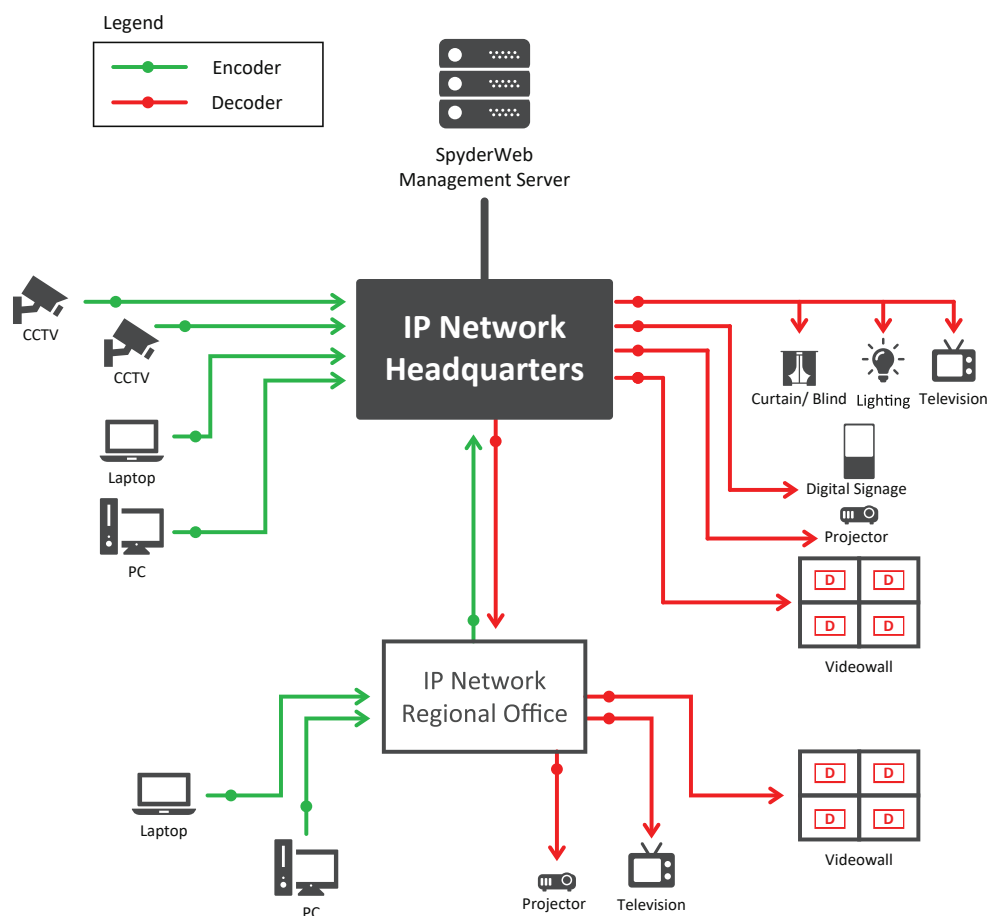
SpyderWeb Gaia comes with Configurable Control features, which includes IR, relay, I/O, RS-232, RS485, Volume control, Ethernet and USB interface. It can be used on AV system and room control on the following functions: -

- Lighting
- Blinds
- Volume
- IP Camera
- TV

## SpyderWeb as Matrix Switcher

Matrix Switcher allows multiple source devices to be displayed on multiple display devices, interchangeably. Traditionally, matrix switcher's input and output are fixed together with the hardware and when all the ports are used, the only way to increase the input and output ports is by changing to a new, larger matrix switcher.

Vistrol SpyderWeb is engineered with scalability in mind. All you need to do is to connect an additional SpyderWeb Encoder or SpyderWeb Decoder, and you will get a new input or output port in your matrix system.



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Matrix Switcher System Diagram



**SEAMLESS**

SpyderWeb Gaia also support seamless switching capable of smooth seamless switching between source devices without flickering, freeze, jitter, tear or black screen.



SpyderWeb Gaia is capable of switching video and audio independently and to different Decoders. This allow full flexibility between audio and video switching, either from one-to-one or one-to-many.

## Integrated SpyderWeb User Interface

SpyderWeb Gaia is designed for ease of use and flexibility. Users can control and manage the system via any MS Windows, OS X, IOS and Android devices.

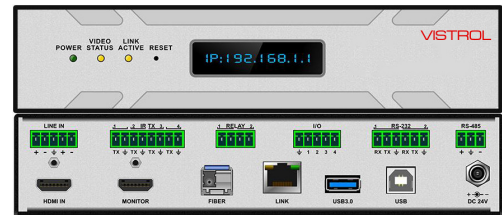


# SW-4K30PLUSE-GA / SW-4K30PLUSD-GA

Vistrol SpyderWeb 4K Gaia Plus Series

SW-4K30PLUSE-GA / SW-4K30PLUSD-GA is a 4K (downward compatible) input/output AV Over IP encoder and decoder, which integrates AV capture and transmission processing, KVM collaboration management, monitoring data acquisition and centralized control of the connected system via I/O, Relay and IR terminals.

The SW-4K30PLUSE-GA / SW-4K30PLUSD-GA is our top-of-the-line feature packed system.



SW-4K30PLUSE-GA



SW-4K30PLUSD-GA

## Features

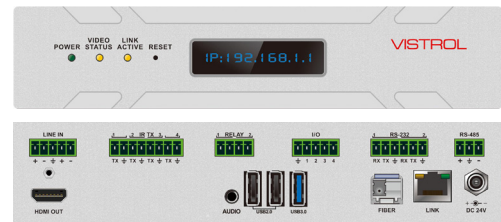
- Using HDMI input interface, it can support the input and output of digital or analog signals in RGB/YPrPb/SDI/VGA/DVI/HDMI and other formats.
- High coding and decoding performance, using H.265 standard for 30-frame real-time codec (compatible with H.264 standard)
- Excellent image processing with opening windows, superimpose, roam, zoom, cross-screen on any screen, and can directly complete large-scale mosaic display.
- Support 4K@30Hz (downward compatible) high-quality output.
- Powerful KVM collaboration system.
- Outstanding integrated control, the node has a loop-out interface to display the input signal at the input terminal.
- Friendly and simple operation, the node has a loop-out interface to display the input signal at the input terminal.
- Safe, stable and reliable with POE and local dual power supply modes are supported, which can be flexibly selected according to the on-site environment.
- Dual link hot backup.



# SW-4K30PROD-GA

Vistrol SpyderWeb 4K Gaia LED Series

SW-4K30PROD-GA is support 4K (downward compatible) output AV Over IP decoder, which integrates AV capture and transmission processing, monitoring data acquisition and centralized control of the environment specially made for LED wall videowall splicing.



SW-4K30PROD-GA

## Features

- HDMI input interface can support the input and output of digital or analog signals in RGB/YPrPb/SDI/VGA/DVI/HDMI and other formats.
- High coding and decoding performance, using H.265 standard for 30-frame real-time codec (compatible with H.264 standard).
- Excellent image processing with opening windows, superimpose, roam, zoom, cross-screen on any screen, and can directly complete large-scale mosaic display.
- Support 4K (downward compatible) high-quality output and also support custom output resolution
- Outstanding integrated control, the node has a loop-out interface to display the input signal at the input terminal.
- Friendly and simple operation, the node has a loop-out interface to display the input signal at the input terminal
- Safe, stable and reliable with POE and local dual power supply modes are supported, which can be flexibly selected according to the on-site environment.
- Dual link hot backup.

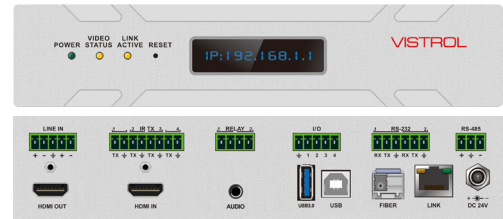


# SW-4K60PLUSE-GA / SW-4K60PLUSD-GA

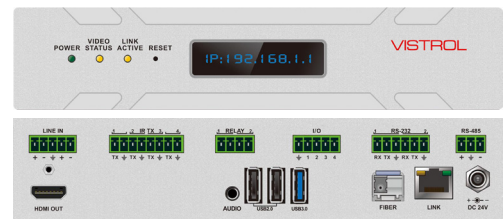
Vistrol SpyderWeb 4K Gaia LED Series

SW-4K60PLUSE-GA / SW-4K60PLUSD-GA is a 4K (downward compatible) input / output AV Over IP encoder and decoder, which integrates AV capture and transmission processing, KVM collaboration management, monitoring data acquisition and centralized control of the connected system via I/O, Relay and IR terminals.

The SW-4K60PLUSE-GA / SW-4K60PLUSD-GA is our top-of-the-line feature packed system.



**SW-4K60PLUSE-GA**



**SW-4K60PLUSD-GA**

## Features

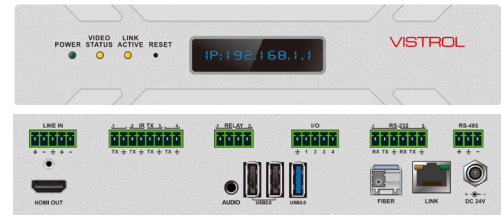
- With the HDMI output interface, it can input and output digital or analogue signals in RGB/ YPrPb/SDI/VGA/DVI/HDMI and other formats.
- High encoding performance with 4K@60hz, YUV4:4:4 of video signal capture, real-time support of up to 120 frames of encoding processing
- Excellent image processing with opening windows, superimpose, roam, zoom, cross-screen on any screen, and can directly complete large-scale mosaic display.
- Support 4K@60Hz (downward compatible) high-quality output and also support custom output resolution.
- Powerful KVM collaboration system.
- Excellent integrated control, the node has efficient and convenient environmental management module and infrared data link, RS -232/485 serial ports, etc
- Friendly and easy to use, the node has a loop-out interface to display the input signal on the input terminal.
- Safe, stable and reliable with POE and local dual power supply modes are supported, which can be flexibly selected according to the on-site environment.
- Dual link hot backup.



# SW-4K60PROD-GA

Vistrol SpyderWeb 4K Gaia LED Series

SW-4K60PROD-GA is support 4K (downward compatible) output AV Over IP decoder, which integrates AV capture and transmission processing, monitoring data acquisition and centralized control of the environment specially made for LED wall videowall splicing.



SW-4K60PROD-GA

## Features

- With the HDMI input interface, it can input and output digital or analogue signals in RGB/YPrPb/SDI/VGA/DVI/HDMI and other formats.
- High encoding and decoding performance by using the H.265 standard for 60-frame real-time codec (compatible with the H.264 standard).
- Excellent image processing with opening windows, superimpose, roam, zoom, cross-screen on any screen, and can directly complete large-scale mosaic display.
- Supports 4K@60Hz (downward compatible) high-quality output and also supports custom output resolution
- As an outstanding integrated controller, the node has a loop-out interface for displaying the input signal at the input terminal.
- Friendly and easy to use, the node has a loop-out interface to display the input signal on the input terminal
- Safe, stable and reliable with POE and local dual power modes supported, which can be flexibly selected according to the on-site environment.
- Dual link hot backup.



## Specifications

Model	SW-4K30PLUSE-GA	SW-4K30PLUSD-GA	SW-4K30PROD-GA
Input Signal	1 x HDMI, 1 x Line in Balanced Stereo (Phoenix)	-	1 x HDMI, 1 x Line in Balanced Stereo (Phoenix)
Output Signal	1 x HDMI, 1 x Line Out Balanced Stereo (Phoenix)	Monitor Output	-
USB	1 x USB Type-B, 1 x USB Type-A, Can be used for KVM control and data transfer		
Network	1 x RJ45/SFP fiber, 10/100/1000Base-T combo		
Compression Format	H.264/H.265		
Video Signal Interface	HDMI 1.4		
HDCP Support	Yes		
Pixel Clock Rate	Max 330Mhz		
Supported Protocols	TCP/IP, RTP/RTSP/RTCP, TCP/UDP, Multicast/Unicast		
Management Software	Windows (Optional iOS, Android)		
Control Infrared Output	2 x 3 pin Phoenix Terminal, RS232 1 x 3 pin Phoenix Terminal, RS485		
IR	4x Input and 4x Output (Learnable)		
Relay	2 x 2 pin Phoenix Terminal (up to 24V)		
I/O	4 x 1 pin Phoenix Terminal		
Indicator	Power Indicator, Video Signal Light, Data Transceiver Indicator		
Power	24V DC		
PoE	Optional		
Power Consumption	≤12W		
Product Dimension	210.0mm (L) x 150.0mm (W) x 43.6mm (H)		
Temperature	Operating Temperature: 0°C~+50°C Storage Temperature: -20°C ~ +70°C		
Humidity	Operating Humidity: 10°C~+90°C Storage Humidity: 10°C~+90°C		
MTBF	>100,000 hrs		



## Specifications

Model	SW-4K60PLUSE-GA	SW-4K60PLUSD-GA	SW-4K60PROD-GA
Input Signal	1 x HDMI, 1 x Line in Balanced Stereo (Phoenix)	-	-
Output Signal	1 x HDMI, 1 x Line Out Balanced Stereo (Phoenix)		
USB	1 x USB Type-B, 1 x USB Type-A		
Compression Format	H.264/H.265		
Network	1 x RJ45/SFP fiber,10/100/1000Base-T combo		
Video Signal Interface	HDMI 2.0a		
HDCP Support	Yes		
Pixel Clock Rate	Max 600Mhz		
Supported Protocols	TCP/IP, RTP/RTSP/RTCP, TCP/UDP, Multicast/Unicast		
Management Software	Windows (Optional iOS, Android)		
Control Infrared Output	4 x 2 pin Phoenix Terminal		
Relay	2 x 2 pin Phoenix Terminal (Up to 24V)		
I/O	4 x 1 pin Phoenix Terminal		
Indicator	Power Indicator, Video Signal Light, Data Transceiver Indicator		
Power	24V DC		
PoE	Optional		
Power Consumption	≤12W		
Product Dimension	210.0mm (L) x 150.0mm (W) x 43.6mm (H)		
Temperature	Operating Temperature: 0°C~+50°C Storage Temperature: -20°C ~ +70°C		
Humidity	Operating Humidity: 10°C~+90°C Storage Humidity: 10°C~+90°C		
MTBF	>100,000 hrs		

### Vistrol

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ISO 9001:2005 Certified Company:



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