

# VIP-100

## The Complete Solution...

# FSR

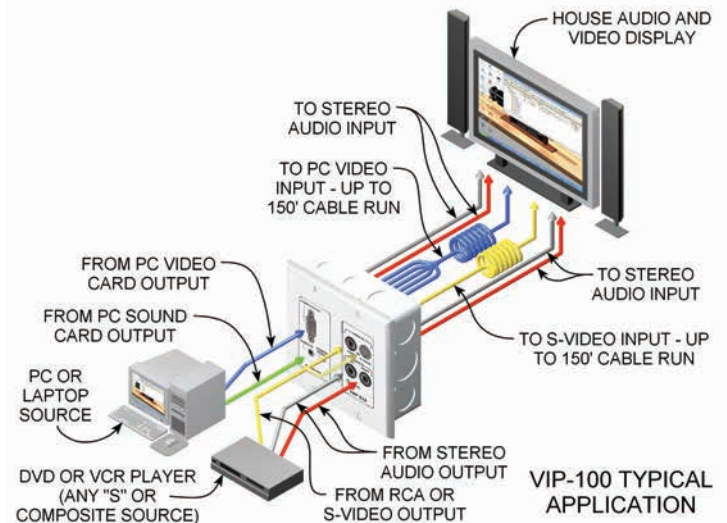
## Video Products Group

### DESCRIPTION

The VIP-100 is a two-gang Decora®-style product containing a CI-5BWPA Computer Video-with-Stereo Audio interface and a VWP-SVA Composite-video/S-video-with-Stereo Audio interface. A power supply is included to conveniently power both units. The VIP-100 includes a matching white dual decora cover plate.

The CI-5BWPA interface addresses many applications where long cable runs are required between a PC or Notebook computer and a projector/house audio system. This unit is a 1-input/1-output computer-video and stereo-audio line driver with cable equalization. On the unit's face, there's an HD-15 D-sub RGBHV connector for the computer input, and a 1/8"-mini stereo connector (unbalanced) for the audio input. The RGBHV output is via 5 female BNC pigtailed. The unbalanced stereo audio input is converted to a balanced signal and then output through a captive-screw terminal strip. The unit has a 3-position-jumper adjustment (High/Low/Off) for the video output, allowing cable-equalization adjustment for cable lengths of up to 150 feet. Video bandwidth of 400 MHz provides superior signal integrity, especially in applications where the output cable run is long.

The VWP-SVA is a Composite-video, S-video, and Stereo Audio Interface. This unit provides an attractive connection point for VCRs, DVD players, document cameras, and much more. It auto-matically selects the active Composite- or S-video input, converting Composite signals to S-video. The selected signal (in S-video format) is then passed through a line driver to allow cable runs of up to 300 feet. The unbalanced stereo audio input is converted to a balanced signal to get the highest audio quality, and to help prevent interference and ground loops. The unit's face has an RCA connector for the composite video input, a 4-pin DIN connector for the S-video input, and a pair of RCA connectors for the stereo audio inputs. The S-video output is provided on pair of pigtail-mounted BNC connectors, and the balanced stereo audio output signal is made available via a captive-screw terminal strip. The VWP-SVA simplifies system design and installation, with one less cable to run and one less signal type to switch: this represents an overall savings to the end user, while providing high quality video and audio.



### APPLICATIONS:

- Boardrooms
- Education
- Training Rooms
- Rentals
- Staging Events
- Conference Centers
- Videoconferencing

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# TECHNICAL SPECIFICATIONS

## CI5-BWPA Specifications

### VIDEO INPUT

Number/type: 1 VGA / SVGA / XGA / SXGA / UXGA / RGBHV / RGBS / RGsB / RsGsBs  
Connectors: One 15 pin HD female  
Level (nominal): Analog 0.7v p-p  
Level (maximum): 2v p-p  
Impedance: 75 ohms

### VIDEO OUTPUT

Number/type: 1 VGA / SVGA / XGA / SXGA / UXGA / RGBHV / RGBS / RsGsBs  
Connectors: 4" Pig-tail of 5 female BNC's (RGBHV)  
Bandwidth: 400 MHz @ -3 dB  
Level (nominal): Unity / User adjustable via HI / LOW / OFF Jumper  
Gain: HI = 100' to 150' / LOW = 50' to 100' / OFF = 0' to 50'  
Impedance: 75 ohms

### AUDIO

Bandwidth: 20Hz to 20 kHz (+/-0.05dB)  
THD + Noise: 0.01% 20Hz to 20 kHz at max rated output  
Noise Floor:  $\geq$  -90dBm 20Hz to 20 kHz  
Stereo separation: -90dB @ 1 kHz  
Gain: +6dB

### AUDIO INPUT

Number/type: 1 stereo unbalanced  
Connectors: 1/8" stereo mini connector  
Impedance: 10K Ohms AC coupled unbalanced  
Max level: +6dBm

### AUDIO OUTPUT

Number/type: 1 Balanced / Unbalanced Stereo  
Connector: 5 Position Captive screw terminal  
Impedance: 50 ohm  
Maximum Level: 600 ohms: +12dBm Balanced / +6dBm Unbalanced  
Hi - Z: +14dBm Balanced / +8dBm Unbalanced

### SYNC

Input level: 2.0v to 5.0v p-p  
Output level: 5.0v p-p into a hi z load  
Input Impedance: 475 ohms  
Output impedance: 75 ohms  
Polarity: Positive or negative  
Horizontal frequency: 15 kHz - 200 kHz  
Vertical frequency: 30Hz - 150Hz

### GENERAL

Power: 9v AC / DC, 50/60Hz: 8 - 14v DC, A single 9v AC Power Supply is included and powers both units. May be remotely located up to 150 feet away from the wallplate when using 22 Gage / 2 Conductor cable. 500 mA@9VAC max current draw (fully loaded)

## VWP-SVA Specifications

### VIDEO INPUT

Number/ type: 1 NTSC S-video, 1 NTSC composite.  
Connectors: 1 female 4 pin mini DIN, 1 female RCA  
Level (nominal): 1 Vpp for Y of S-video and for composite video .3 Vpp for C of S-video  
Impedance: 75 ohms  
Video Conversion Method: Analog discrete-time signal processing; (no quantization noise)

### VIDEO OUTPUT

Number/type: 1 S-video decoded from composite input or buffered from S-video input  
Connectors: 4" pigtail of 2 female BNC's (Y/C)  
Level (nominal): 1 Vpp for Y signal, .3Vpp for C signal  
Impedance: 75 ohms  
VideoGain: Unity

### AUDIO

Bandwidth: Hz to 20 kHz (+/-0.05 dB)  
THD + Noise: 0.01% 20Hz to 20 kHz at max rated output  
Noise Floor:  $\geq$  -90 dBm 20Hz to 20 kHz  
Stereo Separation: -90 dB @ 1 kHz jumper for mono/stereo  
Gain: +6dB

### AUDIO INPUT

Number/type: 1 stereo unbalanced  
Connectors: 2 female RCA's (L/R)  
Impedance: 5K ohms AC coupled unbalanced  
Max level: +6dBm

### AUDIO OUTPUT

Number/type: 1 Balanced/unbalanced stereo  
Connector: 5 Position captive screw terminal  
Impedance: 50 ohm  
Maximum Level: 500 ohms: +12dBm balanced/ +6dBm unbalanced  
Hi -Z: +14dBm balanced/ +8dBm unbalanced

### SYNC

Standard: NTSC 3.58



Specifications are subject to change without notice.

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