



SWCV-6

Professional Series

6 Zone Component and Composite Video Switcher



Typical System Applications

- Multi-Room
- Studios
- Restaurants
- Night Clubs
- Home Theater
- Hotels
- Video Servers
- Background Video

Key Features

- 6 composite video/digital (S/PDIF) audio output zones
- 6 component video source inputs
- 6 component video output zones
- 6 composite video/digital (S/PDIF) audio inputs
- 6 Component video / SPDIF over CAT5 zone output connectors
- RS-232 port for control and bi-directional communication
- Rack mount option



PC based Sample Test/Control Software

Software specification available to allow for control/feedback via touch screens, computers, etc.

Note: Not all functions shown above are available for this model.

The SWVC-6 provides the ability to switch six component video and 6 composite video (or digital audio) sources to six different zones.

It also provides six CAT5 output ports which provide the ability to distribute component video and digital audio over CAT5 up to 1,000 ft. Compatible with most standard component video/SPDIF over CAT5 receivers, including our CAT5-RX

By cascading multiple units together, you can connect up to 36 zones. In addition, the SWVC-6 provides status feedback via two-way communication.

Signalsensing on all inputs for communicating status to control systems.

SWCV-6 Specifications



Component Video

Bandwidth : 300MHz or better (± 3 dB)

200MHz or better (± 1.5 dB)

60MHz or better (± 1 dB)

Input Impedance: 75 Ohms nominal

Output Level (max) : 1.2 Vpp

Output Impedance: 75 Ohms nominal

Crosstalk: < -60 dB (f = 5 MHz) / < -30 dB (f = 150 MHz)

Signal to Noise Ratio : > 65 dB ($V_{in} = 0.7$ V), 100% IR

Source Video Inputs: 6 component (Y, Pb/CB, Pr/CR)
gold plated RCA

Zone Video Outputs: 6 component (Y, Pb/CB, Pr/CR)
gold plated RCA

Component Video / SPDIF over CAT5

Maximum Range : 1,000 ft (with CAT5-RX receiver)

Recommended Cable : CAT-5 UTP or better, 100 ohms@ 100MHz

Capacitance 20pF/FT max, Attenuation 6.6dB/1000FT at 1 MHz max

Bandwidth : 225 MHz, -3 dB large signal bandwidth
450 MHz, -3 dB small signal bandwidth

Signal Level Drives 1.4 V p-p video signal into doubly terminated 100 Ohms UTP cable

Balance Error : Output balance error -60 dB @ 50 MHz

Isolation between amplifiers: 80 dB @ 10 MHz

Distortion: 64 dB SFDR @ 10 MHz on 5 V supply, RL, dm = 200 Ohms

Composite Video/Digital Audio

Input Impedance: 75 Ohms nominal

Output Level (max) : 1.2 Vpp

Output Impedance: 75 Ohms nominal

Frequency Response: 50 MHz or better (± 3 dB) / 20 MHz or better (± 1 dB)

Crosstalk: < -50 dB (f = 5 MHz)

Differential Gain: < 0.2% or better (f = 3.58 MHz)

Differential Phase: < 0.2° or better (f = 3.58 MHz)

Signal to Noise Ratio: > 65 dB ($V_{in} = 0.7$ V, 100 % IRE)

Software Control Functions :

Individual Zone on/off control and status feedback

Software update via USB

RS-232 port for control and bi-directional communication.

Other:

All steel chassis with brushed anodized aluminum front panel

AC Input Voltage: 120VAC $\pm 10\%$, 60Hz or 240VAC $\pm 10\%$, 50Hz Auto selecting , 20 watts

Dimensions :

Dimensions (with removable rack ears & front cover) HxWxD
3.5in(89mm) x 19in(483mm) x 11.5in(292mm)

Dimensions Chassis (without rack ears & front cover)HxWxD
3.5in(89mm) x 17in(432mm) x 11 in(280mm)

Weight : 10 lbs