

# VLS771-2

## VIDEO LOSS SWITCHER



### FOR HIGH VIDEO NOISE OPERATION

The **VLS771-2 VIDEO LOSS SWITCHER** is an automatic 2X1 Stereo audio follow video switching system that reacts to the loss of Horizontal Sync pulses. This device monitors the Primary video source and switches both video and Left and Right Stereo balanced audio sources to the secondary when the primary video signal ceases. The unit switches back to the primary channel when the video returns. The unit will work in high video noise environments like the output of satellite receivers.

The unit can be used to engage a hot standby source or to put up a test pattern when main video fails. This system will maintain your video and stereo audio integrity and reduce trouble calls. It can also be used where unattended video switching must occur. The video A/B switch stays on A during power failure.

Features of the VLS771-2 include a front panel three position command switch which is used to manually force either primary, secondary or automatic video and audio switching.

Also included on the front panel are two LEDs which indicate the status of the video and audio A/B switches.

A field selectable hold over time allows for three different delay times for operation of the A/B switches. The Low, Medium, and High speed response selector lets you set the operating mode to suit your system requirements.

Standard BNC connectors are used for the video inputs and output, and a plug-in style removable screw terminal connector is used for the balanced stereo audio inputs and outputs. This audio plug can be pre-wired reducing your installation time.

This switcher is housed in a sturdy aluminum die cast box which is completely RF shielded. The box can be mounted in the front or rear of your rack with the standard mounting bracket (included).

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### **VIDEO LOSS SWITCHER**

#### **VIDEO**

#### **SPECIFICATION**

Standard	NTSC or PAL (Auto-Select)
Level (Composite Video)	0.7 to 2 Vp-p (1.0 Vp-p STD.)
Input Impedance	75 Ohm (non-select input) Loop-through (select input)
Frequency Response	$\geq 0.2$ dB from DC to 40MHz
Cross-Talk (Pri/Sec input)	$\leq 75$ dB
Signal to Noise Ratio	$\leq 90$ dB
Video Detection S/N Ratio	$\leq 26$ dB

#### **AUDIO**

Frequency Response	Flat from Dc to 100KHz
Cross-Talk (Pri/Sec)	$\leq 80$ dB
Cross-Talk (Left/Right)	$\leq 80$ dB
Signal to noise ratio	$\leq 90$ dB

#### **MECHANICAL**

Power requirement	24 VDC Power Cube (included)
Connectors (Video)	BNC (Female)
Connectors (Audio)	Plug-in Screw Terminal
Video Mode Switch	3 Position Locking Toggle
Enclosure	3.5 x 4.5 x 1.5 Die Cast Alm.