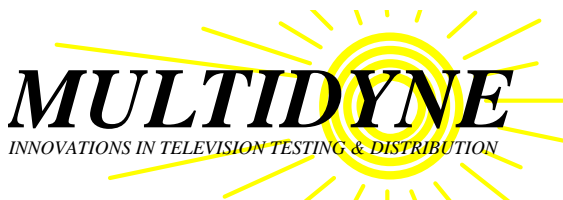




## VAS-1000

### 10 BY 1 VIDEO and AUDIO SWITCHER

- Vertical interval switching of 1 video and up to 3 audio channels with a 10 by 1 matrix.
- Includes 1 video and 2 audio break-aways.
- **Clamped** video inputs and output.
- **30 MHz video bandwidth**, ideal for HDTV, NTSC, PAL and SECAM video signals.
- Front panel video and audio gain adjustments.
- Loop-through video inputs, **4 video outputs** and optional **audio interface panel for XLR connectors**.
- **3 LED VU meters**, one for each audio channel (optional).
- Internal **12 Watt audio power amplifier** to selectively monitor the Left, Right, Left + Right and Auxiliary audio channels with a **Push Button Volume Control**. An external speaker can be connected to the audio monitor output (optional).
- The **AutoCompare** or **chop** feature allows the user to easily **compare the level, horizontal phase & subcarrier phase** of two video channels. In the AutoCompare mode, the Switcher will alternately switch between two video channels. The resulting output is the equivalent of both video signals superimposed over each other.
- **Remote Control Panels** are optionally available which operate at **distances** of up to **3000 feet** over a standard audio cable **without an external power source**. Power is supplied to the remote panels through the control cable.
- Supports RS-232 remote control through a modem or dumb terminal. The Switcher gives the user prompts for control and displays the output status.
- Switchers can be ganged together to form a **10 by N** and a **N by 1** matrix for larger applications where more inputs or outputs are required such as **RGB** or **Component Video**. The 10X3 Adapter Panel with XLR connectors is optionally available to bridge the audio inputs of 3 or more VAS-1000 switchers for a 10 by 3+ matrix.
- AC operation for 115 and 230 VAC.
- Designed and manufactured in the U. S. A.



In the U.S. and Canada call **1-(800)-4TV-TEST**  
 191 Forest Avenue, NY 11560-2117 USA  
 1-(800)-488-8378, (516)-671-7278, FAX (516)-671-3362

# SPECIFICATIONS

**Video Performance:**

Signal to noise.....	> 70 dB
Crosstalk.....	< -65 dB
Differential gain.....	< +/- 0.1 %
Differential phase.....	< +/- 0.1 °
Frequency response to 8 MHz.....	< +/- 0.1 dB
3 dB Bandwidth.....	30 MHz
Ringing.....	< +/- 0.5 %
Tilt.....	< +/- 0.2 %
Gain, adjustable.....	Unity, +/- 2 dB
Differential input voltage.....	+/- 1 Volt
Video output impedance.....	75 Ohms

**Audio Performance:**

Signal to noise.....	> 100 dB
Frequency response to 20 Hz to 20 KHz.....	< +/- 0.05 dB
Distortion.....	< 0.05 %
Gain.....	Unity, +/- 6 dB
Maximum input & output level, 600 Ohm termination.....	+ 24 dBm
Audio input & output.....	Balanced, 37 pin D-type con.
Audio output impedance, balanced.....	50 Ohms
Audio input impedance.....	80 KOhms
RS-232 remote control connector.....	9 pin D-type
Remote control panel connector.....	3 screw terminals, quick release
Power dissipation.....	< 12 Watts
AC operation.....	115 or 230 VAC
Operating temperature.....	0 to +50 °C
Dimensions (L x W x H).....	7.75" x 19" x 1.75"



**VAS-1000 Rear Panel shown with XLR Audio Connector Interface**

## **VAS-422 10 By 1 Machine Control and RS-422 Data Routing Switcher**

- Supports 4 wire RS-422 data protocols and Machine Control.
- Supports stand-alone or slave operation with a master VAS-1000 routing switcher.
- Operates from a 110 or 220 VAC w all-mount power supply.

**ORDERING INFORMATION:**

**VAS-1000-3AUD-VU**, 10 by 1 Video & 3 Ch. Audio Switcher w/ VU Meters & Audio Monitoring Power Amp.

**VAS-1000-3AUD**, 10 by 1 Video and 3 Channels of Audio Switcher.

**VAS-1000-VID**, 10 by 1 Video Only Switcher.

**VAS-1000-REM**, Remote Control Panel for VAS-1000.

**-AUD**, 10 by 1 Analog Audio Switcher Board.

**VAS-422, 10 by 1 RS-422 Data and Machine Control Switcher.**

**AEA-1**, Mono XLR Audio Interface Panel.

**10X3**, 10 by 3 Audio Bridging Adapter Panel with XLR connectors.