

DVS772



DIGITAL VIDEO A/B SWITCH

The **DVS772 DIGITAL VIDEO SWITCH** is a high isolation high frequency relay used to switch digital signals such as SMPTE 310 and SDTV signals up to 270Mbit rate. The switch has two inputs and one output in an A/B configuration. The switching function is controlled by an external switch contact, RS232, or TTL type signal. It also has the ability to sense signal loss on the A channel and automatically switch to the B channel. This feature is used when automatic transfer to an alternate channel is desired. There are no active elements in the data path to degrade the signal, and if a power failure occurs the data from the A channel will not be interrupted.

The unit comes equipped with a front panel selector switch. The operator can select the data switch to Channel A, Channel B, or Remote operation. When the front panel switch is in the Remote operation position, the unit is controlled by an external input signal or by signal loss on the A Channel if selected. Normal, Inverted, and Toggle control is field programmable. There is a "C" form relay output to report the position of the A/B switch for remote telemetry.

The unit has BNC female connectors for the data inputs and output and a removable screw terminal connector for the power and control signals. The switch 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 side mounting bracket.

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DIGITAL VIDEO A/B SWITCH

DATA

Standard

Level

Input Impedance

Maximum Data Rate

Automatic Switch Level

Cross-Talk @ 270Mb

Front Panel Control

Front Panel Indicators

SPECIFICATION

All Data up to 270 Mega-bit Rate

800 mV pp Nominal

75 Ohm (non-select input)
Loop-through (select input)

270 Mega-bit Rate

-15 dB Below Standard Signal Level

≤55 dB

Three Position (A, B, and Remote)

Three LED (A, B, A signal loss)

MECHANICAL

Power requirement

Current requirement

Connectors (Data)

Connectors (Power and Control)

Enclosure

Mounting

24 VDC Power Cube (included)

110 mA

BNC (Female)

Plug-in Screw Terminal (6 position)

3.5 x 4.5 x 1.5 Die Cast Aluminum

Side Rack Mounting Bracket