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Product Bulletin

Model VS-20

20 in x 1 out PC (VGA) Video Switch

Front View
with
Serial Keypad



The Model VS-20 is a 20 in x 1 out VGA video switch that allows a monitor to display any one of 20 inputs. The output may also be blanked out.

The inputs can be RGBHV (e.g. VGA from a PC), RGBS, or RGSB with resolutions to 1600x1200 pixels, all inputs are terminated and buffered using wide bandwidth DC-coupled video amplifiers for a sharp and perfect reproduction at the output.

The VS-20's output can drive cables in excess of 300 feet by means of a selectable compensation network. Each channel features a user settable compensation for long cable runs. The compensation should be applied to those inputs where the total length of the cable from that particular input to the monitor exceeds 150 feet.

The brightness of the Channel LED's on the front panel is an indication of the "compensation" setting for that channel.

Rear View



Two RS232 "Serial Ports" are provided on the unit: one to select channels, and one to send out ascii codes to optional display devices to show the currently selected channel. A Serial Keypad is supplied with each unit. The VS-20 has a built-in power supply and requires standard 110 VAC for operation. A power cord is furnished with the unit.

VS-20 Shown
With Optional
Large Remote Display



Operation of the VS-20

Upon power-up, the device performs a self-test and selects the last displayed channel (also recalls the compensation level that was used for that channel).

Select input channels simply by pressing the following key sequence on the keypad:
Single or Double digit input channel number, followed by ENTER

For example, to select input #12 punch: 12e

Special Characters:

- To blank the output signal altogether, enter zero for input.
i.e.: 0e
- To apply compensation to any input press: +
This clears up the display when long cables are used. The LED on the front panel will be brightened.
- To turn compensation off for a particular input press: -
This causes the signal gain to go down, and the LED on the front panel will be dimmed.

*** The compensation setting for each channel is stored in non-volatile memory ***

Specifications for the Model VS-20

Equipment included:

- The VS-20 chassis
- UL approved 110 Vac power cord
- Control Keypad
- User's Manual

Dimensions:

L x W x H: 16.7" L x 9.58" W x 3.2" H (with 19" x 3.44" front panel)

Weight:

Base unit: 5 lbs, Keypad: 1 lbs

Video Specs:

Connector	HDD15 female
Coupling	DC
Bandwidth	Over 250 MHz
Video Level	0.7 v p-p
Video Gain	1

Optional Equipment:

LED Display	Model HRED-202 Large LED Display Device
DIMENSIONS:	Display: 2.25" D x 12" W x 4" H WEIGHT: 4.5 Lb

