

## General

This aggressive line of digital video routers provides the systems professional with an uncompromising combination of high performance, small size and economical reliability. They are specifically designed to route HD-SDI and SD-SDI digital video.

Compact and high performance, these HDVSUx units provide a quality product that is cost effective for smaller installations. It is packed with features not found on other cheap and unreliable units. Built-in features like redundant monitored power supplies, dual AC inputs, I/O cable presence detection, output reclocking, input equalization, web browser (LXI) interface, plus a front panel display and illuminated keys.

At the rear are female BNC connectors (75 ohm), 10/100 Ethernet port, the user configurable serial port (RS-232C/422A/485), plus the dual universal AC power inputs.

HD

ready

1080p

## Applications

- Digital broadcast facilities or production studios
- Flight simulators
- Airborne surveillance systems
- Communication installations
- Imaging and animation production facilities
- SMPTE 292M, 424M signals
- Security systems
- Factory automation monitoring

## Features

- High reliability digital switching core
- I/O cable presence detection
- Output reclocking
- SMPTE 292M, 424M signals
- Full fanout non-blocking configurations
- BNC connectors (75 ohm)
- Super-twist illuminated LCD display
- Field configurable serial port (RS-232C/422A/485)
- Ethernet port (10/100) with web browser
- TCP/IP, SNMP v1 v2, IPv4 and IPv6
- Dual international AC power inputs, or optional DC
- Certified CE EN61010 (LVD)
- LabVIEW drivers available

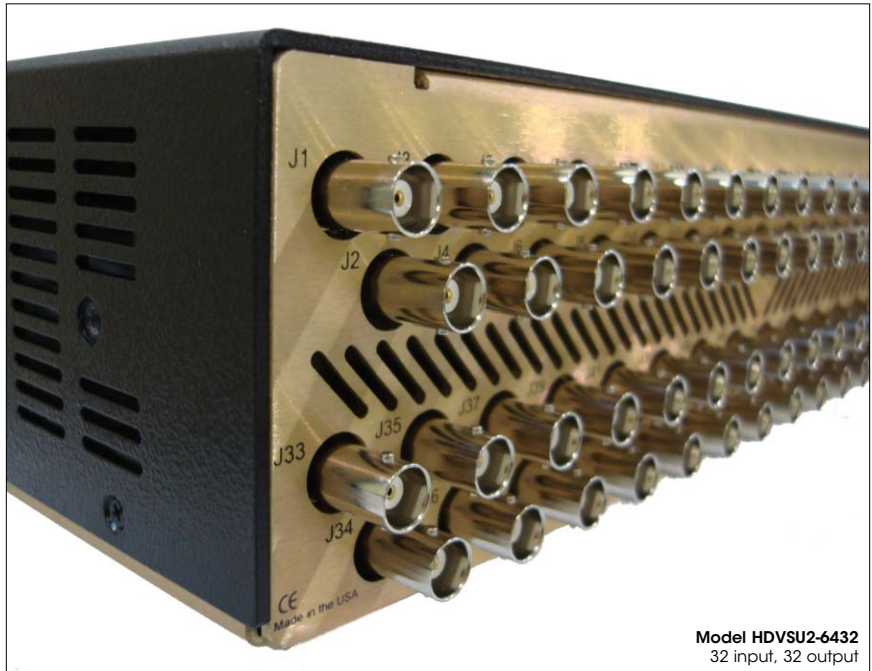


## Configurations

Model	Configuration	Size
HDVSU1-3216	16 input, 16 output	1RU
HDVSU2-6432	32 input, 32 output	2RU



**Model HDVSU1-3216**  
16 input, 16 output



**Model HDVSU2-6432**  
32 input, 32 output



**Model HDVSU1-3216**  
16 input, 16 output

## Specification

Array sizes	16x16 or 32x32
Switching technology	High reliability solid-state core
Type of system	Non-blocking full fan-out MxN
Architecture	Fixed size array
Signal connector location	Rear panel
Signal type	HD-SDI and SD-SDI Video SMPTE 292M, 424M (270Mbps, 1.483Gbps, 1.485Gbps, 2.967Gbps, 2.97Gbps)
Reclocking	Included
Cable detection	Yes

### Input Characteristics

Type	Single-ended
Signal connector	BNC female (75 ohm type)
Impedance	.75 ohm
Cable equalizer	Automatic
Return loss	>19dB

### Output Characteristics

Type	Single-ended
Signal connector	BNC female (75 ohm type)
Impedance	.75 ohm

## General Specifications

Power supply section	Redundant with dual inputs
Power supply monitoring	Included
Remote control interfaces	Ethernet and serial
Serial port connector	DE-9S (D-Type female)
Status LED's	Bi-Color on front panel
Front panel display	.2x20 LED illuminated super-twist LCD
Configuration memory	FLASH
Cooling	Convection
AC power requirements	.90-264VAC, 47-440Hz, 15Watts (max)
Power cords	.6-foot (Belden 17250)
Fuse protection	.2A, 5mm (dual), AC models only
Weight	.7 lbs
Size	1.75H x 9.55D x 19.00W (1RU) 3.50H x 9.55D x 19.00W (2RU)
Operating temp	.0 to +60C
Non-operating temp	-20 to +85C
Humidity	.0 to 95% (NC @ +25C)
MTBF	>150,000 hours
Certifications	.CE EN61010

Universal Switching's policy is one of continuous development. Consequently, the company reserves the right to vary from the descriptions and specifications shown in this publication.