



VS-41HD

SWITCHERS, MATRIX
SWITCHERS &
CONTROLLERS

4X1:2 HD-SDI & SDI DIGITAL VIDEO SWITCHER



DESCRIPTION

The VS-41HD is a high performance switcher for SDI (SMPTE 259M and SMPTE 344M) and HD-SDI (SMPTE 292M) digital video signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.

- Max Data Rate - 1.485 Gbps.
- Reclocking & Equalization - Automatic.
- HDTV Compatible.
- Active Input Indication™ Reporting Each input button on the front panel automatically lights up when the unit detects a video signal on that input. Green indicates a standard definition (SDI) input signal and blue indicates a high definition (HD-SDI) input signal.
- Flexible Control Options - Front Panel, RS-232 (K-Router¹ Windows®-based software is included), RS-485, Ethernet, contact closure & IR Remote (included).
- Bi-level or Tri-level sync compatible.
- Looping Analog Sync Input.
- Selectable Sync Signal Termination.
- Front Panel Control Lockout.
- Vertical Interval Switching - SMPTE RP-168.
- Output Disconnect.
- Worldwide Power - 100-240V AC.
- Standard 19 inch Rack Mount Size - 1U. Rack "ears" included.

SPECIFICATIONS

INPUT:	4 SDI SMPTE-259M, 292M, 344M serial video, 75 ohms on BNC connectors. 1 GENLOCK 75Ω / Hi-Z on looping BNC connectors, bi level, Tri level inputs.
OUTPUTS:	2 identical equalized and reclocked SMPTE-259M, 292M, 344M outputs 75 ohms on BNC connectors.
MAX. OUTPUT LEVEL:	800mVpp /75 ohms
DATA RATE:	Up to 1.485Gbps
CONTROLS:	Front-panel, RS-232; RS-485, ETHERNET, Infrared remote, dry contact, and panel lock.
POWER SOURCE:	Universal, 100-240VAC, 50/60Hz 22VA
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	1.5kg. (3.3lbs.) approx.
ACCESSORIES:	Power cord, Null-modem Adapter.
JITTER:	Better than 0.2UI