The RS-12D Series is a complete family of Serial Digital Video Routing Switchers with models for all implementations of digital video with digital and analog audio. The RS-12D family was designed for monitoring and source selection from 12 inputs to one output.

The RS-12DV/EAM adds analog monitoring of embedded audio. The control panel (local or remote) displays the presence of up to 8 embedded audio pairs and enables a user to listen to any four of the eight at a time. The optional composite analog video monitoring quality output makes this the ideal switcher for monitoring applications such as uplink, network feeds, STL, and facilities that pass signals without modifying content.

All RS-12D Series switchers have passive looping inputs (not terminating or regenerating) and provide transparent switching.

In applications were the control of both Serial Digital and AES audio is required, Videotek now offers a line of companion AES single bus routers, the RS-12AES Series. When configuring the RS-12DV/EAM and RS-12AES use the RSP-12AES for remote control.

<table>
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<th>Model</th>
<th>Digital Video Looping Inputs</th>
<th>Two Digital Video Outputs</th>
<th>Analog Video Monitor Outputs</th>
<th>Passes Embedded Audio</th>
<th>Monitors Embedded Audio</th>
<th>Analog Audio Input/Output</th>
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<td>RS-12DV</td>
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* Outputs Only

**LOCAL VERSIONS:** All models also available without front panel control as “L” versions. (RS-12DL, RS-12DVL-1, etc.)

**REMOTE VERSIONS:** All models also available in combination of “L” version plus RSP-12 as “R” versions. (RS-12DVR, RS-12DVAR-1, etc.)
### RS-12D Series Specifications

#### Digital Video
- **Input Level:** 800 mV p-p, nominal
- **Input Impedance:** Hi-Z looping
- **Input Return Loss:** ≥15 dB from 5 MHz to 270 MHz
- **Data Rate:** 360 Mb/s, maximum
- **Output Level:** 800 mV p-p ±10%
- **Output Impedance:** 75Ω, nominal

#### Analog Audio
- **Inputs:** 12 Balanced Stereo
- **Input Level:** +24 dBm, maximum
- **Output Level:** 0 dBm, nominal; +24 dBm, maximum
- **Output Impedance:** <50Ω, balanced or unbalanced
- **Frequency Response:** ±0.5 dB, 30 Hz to 20 kHz, referenced to 1 kHz
- **Crosstalk:** >70 dB @ 20 kHz
- **Hum and Noise:** <0.5%, 30 Hz to 20 kHz
- **Harmonic Distortion:** <0.5%, 30 Hz to 20 kHz
- **Common Mode:** ≥40 dB, 50 Hz to 10 kHz

#### Control
- **Local Control:** 12 Relegendable Pushbuttons. All models also available without local control
- **Remote Control:** Model RSP-12, optional.
- **Serial Control:** RS-232/422, selectable, on 9-pin D-sub
- **GPI Remote Control:** 15-pin D-sub

#### Power Requirements
- **Power Input:** 90-132, 180-264 VAC, 50/60 Hz
- **Power Consumption:** 40 VA (RS-12DV)

#### Environment
- **Operating Temperature:** 0° to 50°C
- **Storage Temperature:** −50° to 70°C
- **Humidity:** 90% maximum (non-condensing)

#### Mechanical
- **Dimensions:** Height: 1.75” (4.5 cm), Width: 19.0” (48.3 cm), Depth: 12.0” (30.5 cm)
- **Weight:** 8 lbs (3.26 kg), RS-12DV

#### Standard Accessories
- Operation & Service Manual
- Rack Extension Kit
- Power Cord

#### Options (See Page 82-83)
- RSP-12: Remote Control Panel
- RSP-12E: Remote Control Panel for use with RS-12DV/EAM
- ABP-12: Audio Breakout Panel for RS-12DVA versions