Smart Videohub CleanSwitch 12x12

Compact 6G-SDI router with built in re-synchronizers on all inputs allows clean switching between all video sources of the same video standard, and can be used as 12 re-synchronizers for automatic re-timing of SDI feeds. Smart Videohub CleanSwitch supports 12 inputs and 12 outputs in virtually all SD, HD and Ultra HD video formats. Supports multiple formats on the same router at the same time and will clean switch between multiple formats that match the reference frame rate when the switching is between the same video standard. Includes front panel button and spin knob routing, elegant machined metal front panel with LCD for routing display and video monitoring and remote Ethernet control.

$1,495

Connections

SDI Video Inputs
12 x 10-bit SD-SDI, HD-SDI and 6G-SDI.

SDI Video Outputs
12 x 10-bit SD-SDI, HD-SDI and 6G-SDI.

SDI Rates
270Mb, 1.5G, 3G, 6G.

Video Input Re-Sync
On all 12 inputs for clean switch.

SDI Redocking
On all SDI outputs.

Reference Input
Tri-Sync or Black Burst.

Control Panel Connection
Ethernet.

Serial Control Connection
RJ-6 RS-422.

Multi Rate Support
Auto detection of SD, HD or 6G-SDI. Simultaneous routing of 4K, HD and SD video.

Updates
USB

Front Panel Router Control
12 buttons for local control of Videohub. 6 buttons and scroll wheel for control of LCD display or RJ45 Ethernet.

Router Configuration
Via front panel LCD or RJ45 Ethernet.

RS-422 Router Control
1 x input for controlling router crosspoint switching.
Standards

**SD Video Standards**
525i59.94 NTSC, 625i50 PAL.

**HD Video Standards**
720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60
1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60

**2K Video Standards**
2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p
2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF

**Ultra HD Video Standards**
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30

**4K Video Standards**
4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

**SDI Compliance**
SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M

**SDI Video Sampling**
4:2:2 and 4:4:4

**Ultra HD Video Standards**
2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30

**4K Video Standards**
4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p

**SDI Compliance**
SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M

**SDI Video Sampling**
4:2:2 and 4:4:4

**SDI Audio Sampling**
Television standard sample rate of 48kHz and 24 bit.

**SDI Color Precision**
10-bit 4:2:2 and 4:4:4

**SDI Color Space**
YUV or RGB.

**SDI Auto Switching**
Automatically selects between SD-SDI, HD-SDI, and 6G-SDI on each input.

**SDI Metadata Support**
Video payload identification ancillary data as per SMPTE 352M.

Control

**Built in Control Panel**
12 buttons for local control of Videohub with 6 buttons and scroll wheel for menu control. 2.2 inch color display.

**External Control Panel**
Includes Blackmagic Videohub software control panel for Mac and Windows. Supports Blackmagic Smart Control and Blackmagic Master Control hardware panels. Includes Blackmagic Videohub SDK and Ethernet Videohub Control Protocol.
Software

Software Control
Router control included free for Windows™ and Mac™.

Internal Software Upgrade
Via included updater application.

Operating Systems

Mac 10.14 Mojave, Mac 10.15 Catalina or later.

Windows 8.1 or Windows 10.

Display

Built in LCD for video and menu settings.

Power Requirements

Power Fail Protection
Router connections preserved and restored instantly at power on.

Power Supply
IEC power cable required. 90 - 240V AC input.

Physical Specifications
Physical Installation

1 rack unit size. Less than 6 inches deep.

Environmental Specifications

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<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
<th>Relative Humidity</th>
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<tbody>
<tr>
<td>0° to 40° C (32° to 104° F)</td>
<td>-20° to 45° C (-4° to 113° F)</td>
<td>0% to 90% non-condensing</td>
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What's Included

Smart Videohub CleanSwitch 12x12
SD card with software and manual

Warranty

3 Year Limited Manufacturer's Warranty, and 12 Month Warranty on the front panel.