

## Smart Videohub CleanSwitch 12x12



**\$1,495**

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.

### Connections

#### SDI Video Input

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

#### SDI Video Output

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

#### Reference Input

Blackburst for SD and Tri-Sync for HD and 4K.

#### Multi Rate Support

Auto detection of SD, HD or 6G-SDI. Simultaneous routing of 4K, HD, SD video and DVB-ASI.

#### Updates

USB or Ethernet.

#### 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

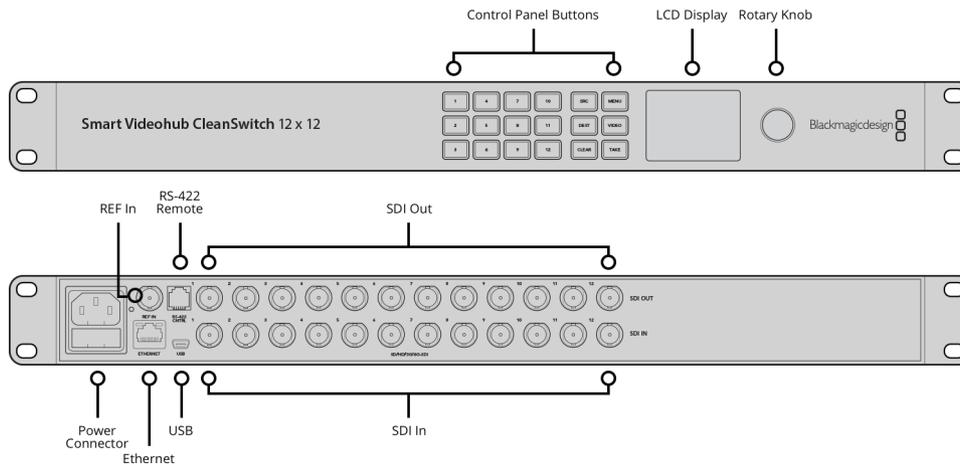
Via front panel LCD or RJ45 Ethernet.

#### RS-422 Router Control

1 x input for controlling router crosspoint switching.

#### Reclocking

On all SDI outputs, auto switching between standard definition, high definition or 6G-SDI video.



## Standards

### SD Format Support

625/25 PAL, 525/29.97 NTSC and 525/23.98 NTSC.

### HD Format Support

1280 x 720p50, 1280 x 720p59.94, 1280 x 720p60, 1920 x 1080i50, 1920 x 1080i59.94, 1920 x 1080i60, 1920 x 1080PsF23.98, 1920 x 1080PsF24, 1920 x 1080PsF25, 1920 x 1080PsF29.97, 1920 x 1080PsF30, 1920 x 1080p23.98, 1920 x 1080p24, 1920 x 1080p25, 1920 x 1080p29.97, 1920 x 1080p30, 1920 x 1080p50, 1920 x 1080p59.94, 1920 x 1080p60.

### 2K Format Support

2048 x 1080p23.98, 2048 x 1080p24, 2048 x 1080p25, 2048 x 1080PsF23.98, 2048 x 1080PsF24, 2048 x 1080PsF25

### 4K Format Support

3840 x 2160p23.98, 3840 x 2160p24, 3840 x 2160p25, 3840 x 2160p29.97, 3840 x 2160p30, 4096 x 2160p23.98, 4096 x 2160p24, 4096 x 2160p25, 4096 x 2160p29.97, 4096 x 2160p30

### SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 310M, SMPTE 425M Level B, ITU-R BT.656 and ITU-R BT.601.

### SDI Video rates

SDI video inputs are switchable between standard definition, high definition and 4K. SDI switches between 270 Mb/s standard definition SDI, 1.5 Gb/s HD-SDI, 3G-SDI and 6G-SDI.

### 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

4:2:2 and 4:4:4 10 bit.

### SDI Color Space

YUV or RGB.

### SDI Auto Switching

Automatically selects between SD-SDI, HD-SDI, 6G-SDI and DVB-ASI on each input so that each input can be running a different television standard.

### SDI Metadata Support

Video payload identification ancillary data as per SMPTE 352M.

## Display

### Display

Built-in LCD for video and menu settings.

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## Software

### Software Control

Router control included free for Windows™ and Mac OS X™.

### Internal Software Upgrade

Via included updater application.

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## Operating Systems



Mac OS X 10.10 Yosemite,  
Mac OS X 10.11 El Capitan  
or later.



Windows 8.1 or  
Windows 10.

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## Power Requirements

### Power Fail Protection

Router connections preserved and restored instantly at power on.

### Power Supply

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

### Power Consumption

35 Watts

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## Physical Specifications



## Physical Installation

### Physical Installation

1 rack unit size. Less than 6 inches deep.

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## Environmental Specifications

### Operating Temperature

0° to 40° C (32° to 104° F)

### Storage Temperature

-20° to 45° C (-4° to 113° F)

### Relative Humidity

0% to 90% non-condensing

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## What's Included

Smart Videohub CleanSwitch 12x12

Software SD card

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## Warranty

12 Month Limited Manufacturer's Warranty.

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