

## Smart Videohub 20x20



Smart Videohub 20x20 is a larger advanced Ultra HD mixed format router with built in control panel and monitoring. Ideal for larger workgroups and mobile broadcasting, it includes advanced 6G-SDI connections so you can simultaneously connect and route any combination of SD, HD and Ultra HD video all on the same router at the same time. You also get revolutionary new visual routing with the unique spin knob control, push button panel and the built in LCD screen. Also includes Ethernet for remote control and a fully customizable software development kit for Mac and Windows.

**\$1,995**

### Connections

#### SDI Video Input

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

#### SDI Video Output

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

#### Reference Input

Blackburst and TriSync for SD, 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.

#### Router Control

21 buttons for local control of Videohub. 6 buttons and scroll wheel for control of LCD display or RJ45 Ethernet.

#### Router Configuration

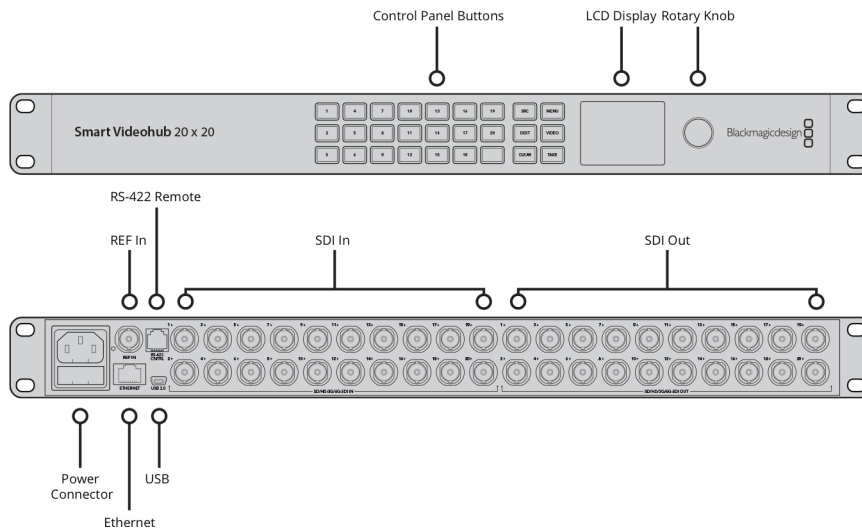
Via front panel LCD or use either RJ45 Ethernet or USB 2.0 for setting IP address only.

#### 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

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

## 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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## Display

### Displays

Built-in LCD for video and menu settings.

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## Physical Installation

### Physical Installation

1 rack unit size. Less than 6 inches deep.

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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

34 Watts

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## Physical Specifications



## 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 20x20

Software CD

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## Warranty

12 month Limited Manufacturer's Warranty.

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