

# Smart Videohub 20x20



**\$1,995**

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.

## Connections

### SDI Video Inputs

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

### SDI Video Outputs

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

### SDI Rates

DVB-ASI, 270Mb, 1.5G, 3G, 6G.

### Video Input Re-Sync

None.

### SDI Reclocking

On all SDI outputs

### Reference Input

Tri-Sync or Black Burst.

### Control Panel Connection

Ethernet.

### Serial Control Connection

RJ-7 RS-422.

### Multi Rate Support

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

### Updates

USB.

### Router Control

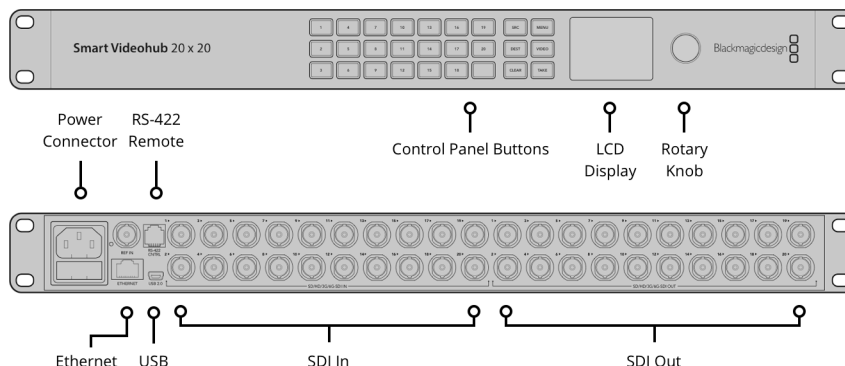
21 buttons for local control of Videohub. 6 buttons and scroll wheel for control of LCD display or RJ45 Ethernet.

### 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.



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## 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  
Level A and B, ITU-R BT.656 and ITU-R  
BT.601.

### 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.

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## Control

### Built in Control Panel

20 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.

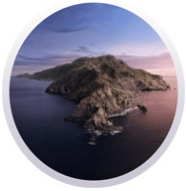
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## Display

Built in LCD for video and menu  
settings.

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## Operating Systems



Mac 10.14 Mojave,  
Mac 10.15 Catalina or later.



Windows 8.1 and 10.

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## Software

### Software Control

Router control included free for  
Windows™ and Mac™.

### Internal Software Upgrade

Via included updater application.

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## Power Requirements

### Power Supply

1 x Internal 90 - 240V AC. IEC power  
cable required.

### Power Fail Protection

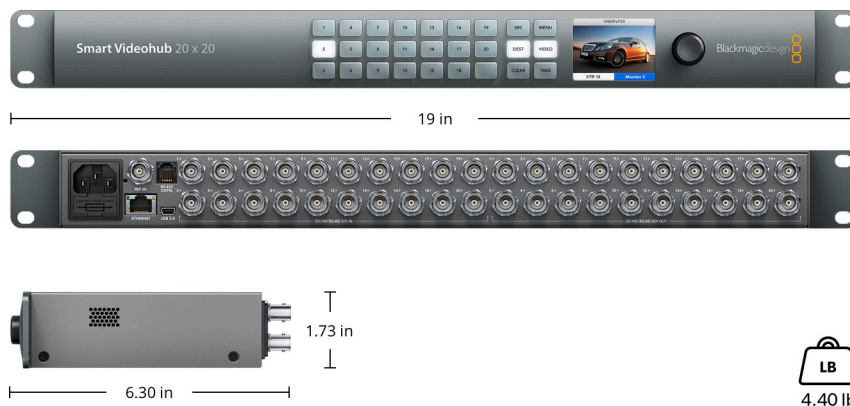
Router connections preserved and  
restored instantly at power on.

### Power Consumption

34 Watts

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## Physical Specifications



## 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 20x20

SD card with software and manual

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## Warranty

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

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