

# Blackmagic Videohub 20x20 12G



£2,109

Blackmagic Videohub 20x20 12G is an advanced zero latency video router that supports any combination of SD, HD and Ultra HD on the router at the same time. It has 20 12G-SDI inputs and 20 12G-SDI outputs plus reference connections in a one rack unit size. The front panel LCD lets you see video before routing and clearly displays routing labels and video standards. Routing can be performed by direct button selection and using the large spin knob control that has an electronic clutch. It also features SDI re-clocking, external Ethernet control and supports all SDI video standards up to 2160p60.

## Connections

**SDI Video Inputs**

20

**Video Input Re-Sync**

None

**Reference Outputs**

Reference terminating loop output.

**SDI Video Outputs**

20

**SDI Reclocking**

On all SDI outputs.

**Ethernet**

Supports 10/100/1000 BASE-T.

**SDI Rates**

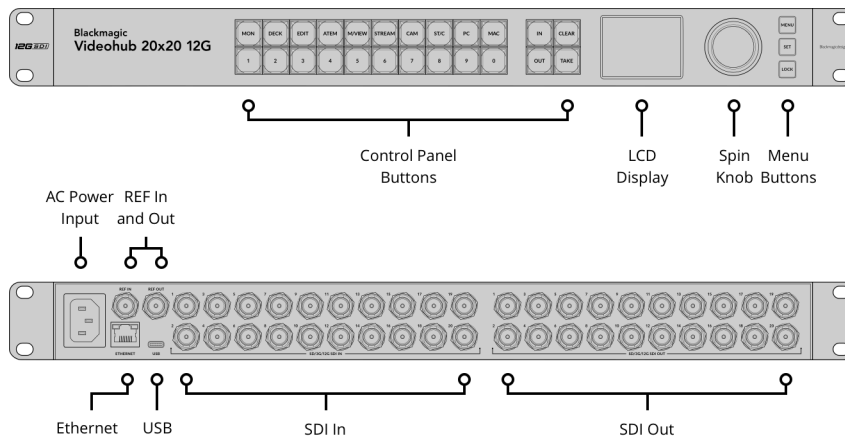
DVB-ASI, 270Mb, 1.5G, 3G, 6G, 12G.

**Reference Inputs**

Tri-Sync or Black Burst.

**Computer Interface**

USB-C



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## Standards

### SD Video Standards

525i59.94 NTSC, 625i50 PAL

### HD Video Standards

720p50, 720p59.94, 720p60  
1080i50, 1080i59.94, 1080i60  
1080p23.98, 1080p24, 1080p25,  
1080p29.97, 1080p30, 1080p47.95,  
1080p48, 1080p50, 1080p59.94,  
1080p60  
1080PsF23.98, 1080PsF24,  
1080PsF25, 1080PsF29.97, 1080PsF30

### 2K Video Standards

2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI,  
2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95  
DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94  
DCI, 2Kp60 DCI  
2KPsF23.98 DCI, 2KPsF24 DCI,  
2KPsF25 DCI, 2KPsF29.97 DCI,  
2KPsF30 DCI

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
2160p29.97, 2160p30, 2160p47.95,  
2160p48, 2160p50, 2160p59.94,  
2160p60

### 4K Video Standards

4Kp23.98 DCI, 4Kp24 DCI, 4Kp25 DCI,  
4Kp29.97 DCI, 4Kp30 DCI, 4Kp47.95  
DCI, 4Kp48 DCI, 4Kp50 DCI, 4Kp59.94  
DCI, 4Kp60 DCI

### SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE  
296M, SMPTE 372M, SMPTE 424M,  
SMPTE 425M level A and B  
SMPTE 2081-1, SMPTE 2081-10,  
SMPTE 2082-10, ITU-R BT.656  
and ITU-R BT.601

### SDI Audio Sampling

Television standard sample rate of  
48kHz and 24-bit.

### SDI Video Sampling

YUV 4:2:2 and RGB 4:4:4

### SDI Color Precision

10, 12-bit RGB 4:4:4 in all HD and 2K  
modes, Ultra HD modes up to  
2160p30 and 4K modes up to 4Kp30  
DCI. 10-bit YUV 4:2:2 in all modes.

### SDI Color Space

REC 601, REC 709, REC 2020

### SDI Auto Switching

Automatically selects between 270Mb  
SD-SDI, 1.5G HD-SDI, 3G level A and  
level B HD-SDI, 6G HD-SDI, 12G-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

24 buttons for local control of  
Videohub with 3 buttons and search  
dial for menu control. 2.2 inch color  
display.

### External Control Panel

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

### Control Panel Connection

Ethernet

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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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## Operating Systems



Mac 12.0 Monterey,  
Mac 13.0 Ventura or later.



Windows 10, 64-bit.  
Windows 11.

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## Display

### Displays

Built in 2.2 inch LCD for video and menu settings.

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## Power Requirements

### Power Supply

1 x Internal 100 - 240V AC 50/60Hz.  
IEC power cable required.

### Power Fail Protection

Crosspoint connections preserved  
and restored instantly at power on.

### Power Usage

27.5 W max.

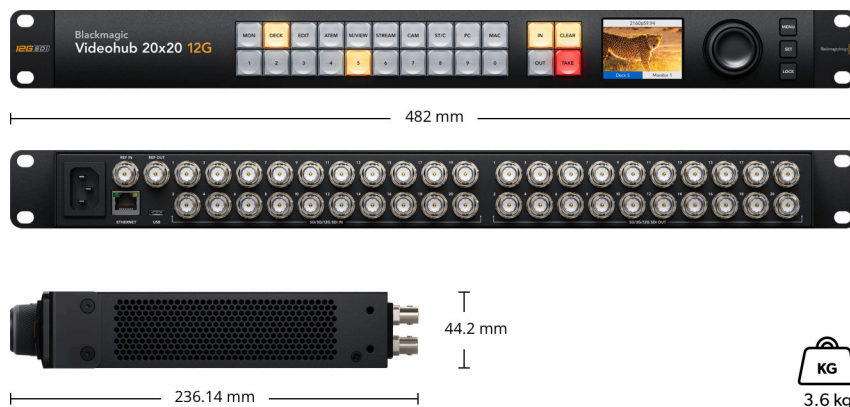
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## Physical Installation

1 rack unit height.

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## Physical Specifications



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## Environmental Specifications

### **Operating Temperature**

0° to 40° C (32° to 104° F)

### **Storage Temperature**

-20° to 60° C (-4° to 140° F)

### **Relative Humidity**

0% to 90% non-condensing

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## What's Included

Blackmagic Videohub 20x20 12G

Welcome wallet with QR code for software download

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## Warranty

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

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