

# Blackmagic Videohub 120x120 12G



**\$15,465**

Blackmagic Videohub 120x120 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. The 12G-SDI inputs feature LEDs on each BNC that indicate an SDI signal, plus there are 12G-SDI outputs, redundant power and reference connections in a four rack unit design. The large HD 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

120

### Video Input Re-Sync

None

### Reference Outputs

Reference terminating loop output.

### SDI Video Outputs

120

### SDI Reclocking

On all SDI outputs.

### Ethernet

Supports 10/100/1000 BASE-T.

### SDI Rates

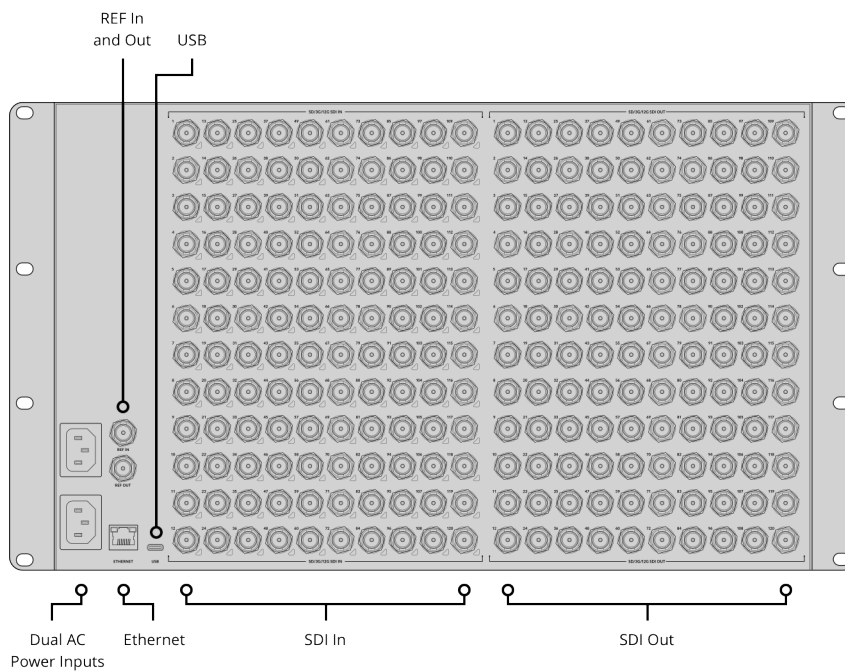
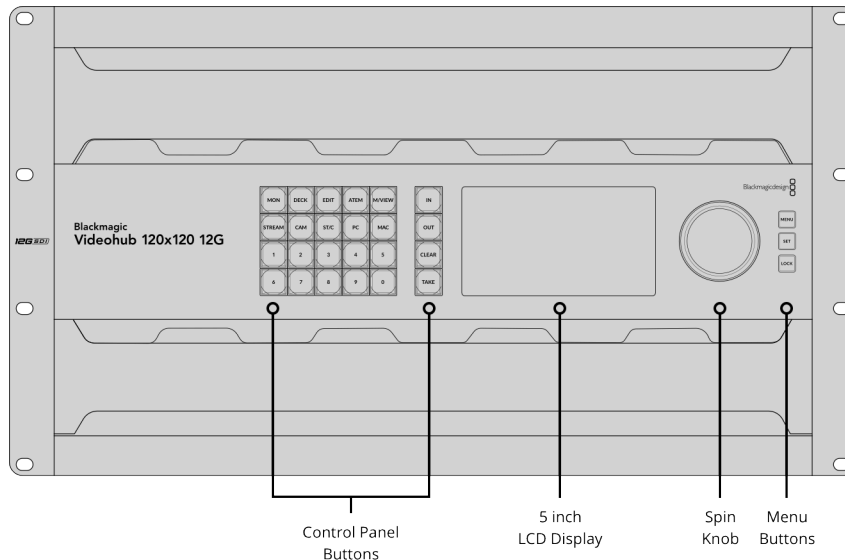
DVB-ASI, 270Mb, 1.5G, 3G, 6G, 12G.

### Reference Inputs

Tri-Sync or Black Burst.

### Computer Interface

USB-C



## 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

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**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 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. 5 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 13.0 Ventura,  
Mac 14.0 Sonoma or later.



Windows 10, 64-bit.  
Windows 11.

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## Display

**Displays**

Built in 5 inch LCD for video and menu settings.

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## Power Requirements

### **Power Supply**

2 x Internal 100 - 240V AC 50/60Hz.  
IEC power cables required.

### **Power Fail Protection**

Crosspoint connections preserved  
and restored instantly at power on.

### **Power Usage**

140 W max.

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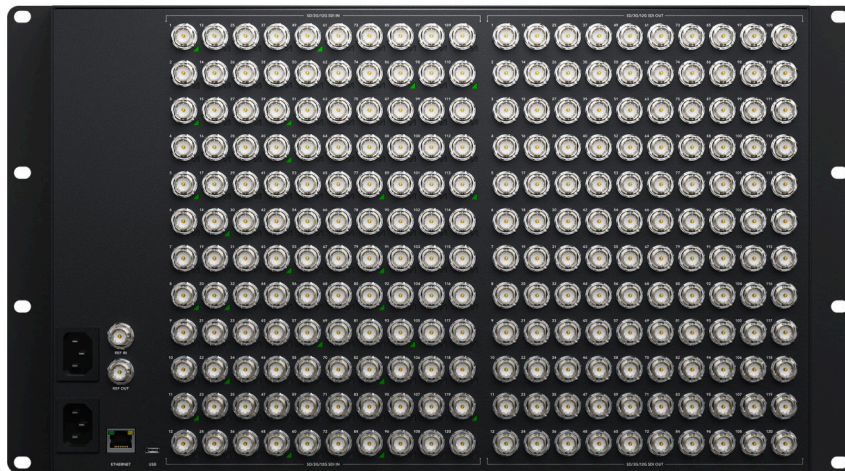
## Physical Installation

6 rack units height.

# Physical Specifications



19 in



9.52 in

10.47 in



33 lb

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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 120x120 12G

Welcome wallet with QR code for software download

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## Warranty

3 Year Limited Manufacturer's Warranty.

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