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 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.
## 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.

## 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.

## Display

- Built in LCD for video and menu settings.
Operating Systems

Mac 10.14 Mojave, Mac 10.15 Catalina or later.

Windows 8.1 or Windows 10.

Software

**Software Control**
Router control included free for Windows™ and Mac™.

**Internal Software Upgrade**
Via included updater application.

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

Physical Specifications

1 rack unit size. Less than 6 inches deep.
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

What's Included

Smart Videohub 20x20
SD card with software and manual

Warranty

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