



Smart Videohub 20 x 20

Technical Specifications

Description

Smart Videohub 20 x 20 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 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

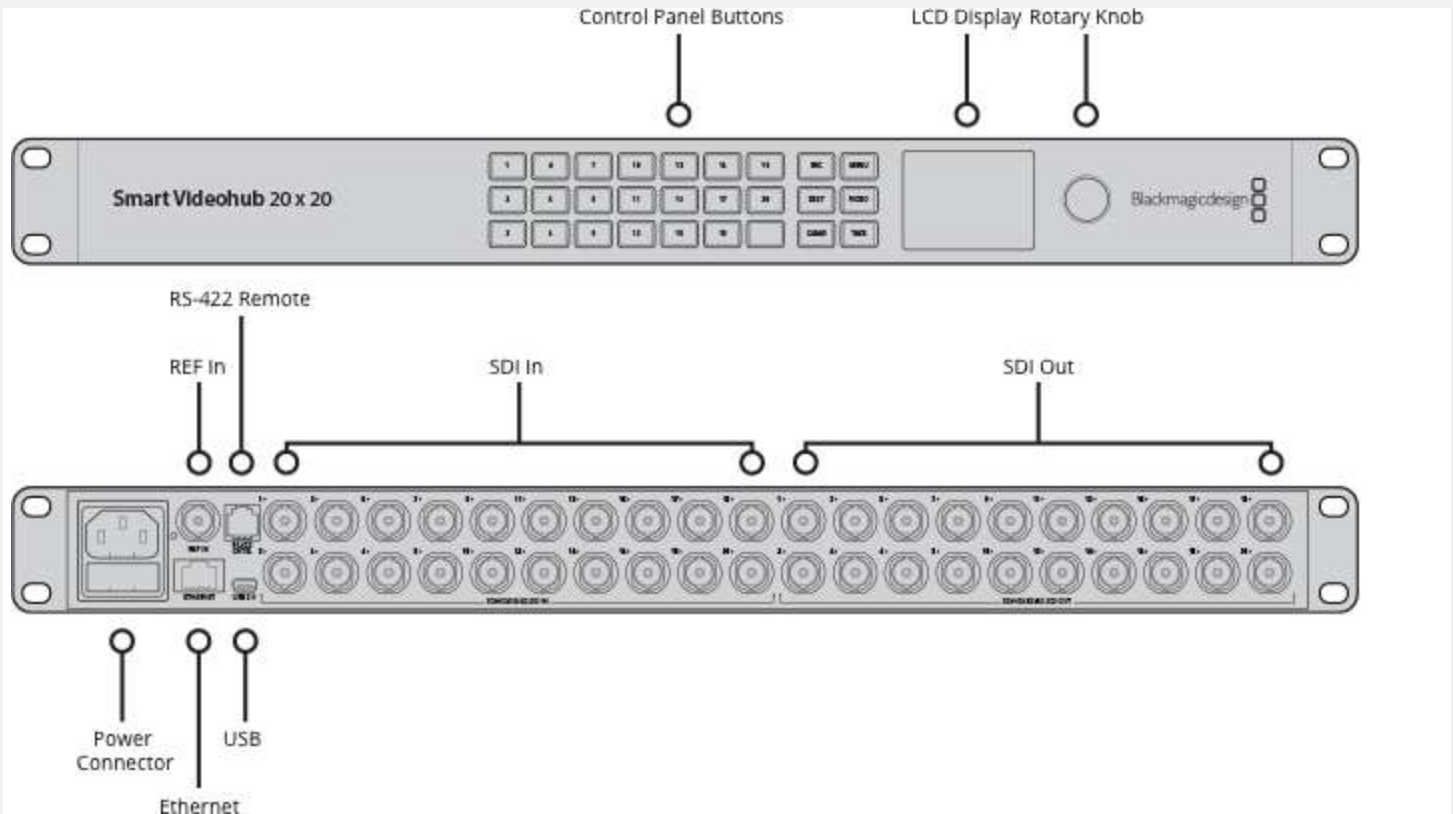
Via front panel LCD or use either RJ45 Ethernet or USB 2.0 for setting IP address only.

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

2048x1080p23.98, 2048x1080p24, 2048x1080p25, 2048x1080PsF23.98, 2048x1080PsF24, 2048x1080PsF25.

4K Format Support

3840x2160p23.98, 3840x2160p24, 3840x2160p25, 3840x2160p29.97, 3840x2160p30, 4096x2160p24.

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.

Operating Systems

Mac OS X 10.9 Mavericks,

Mac OS X 10.10 Yosemite or later.

Windows 7 or Windows 8.

Displays

Displays

Built-in LCD for video and menu settings.

Physical Installation

Physical Installation

1 rack unit size. Less than 6 inches deep.

Power Requirements

Power Fail Protection

Router connections preserved and restored instantly at power on.

Power Supply

IEC power cable required. 90 - 240V AC input.

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

What's Included

Smart Videohub 20 x 20

Software CD

Warranty

12 month Limited Manufacturer's Warranty.