Blackmagicdesign

Smart Videohub 12x12

Smart Videohub 12x12 is the world's most advanced Ultra HD mixed format router with built in control panel and monitoring. Ideal for small workgroups and fly away kits, 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.

$1,395

Connections

SDI Video Inputs
12 x 10-bit SD-SDI, HD-SDI and 6G-SDI.

SDI Video Outputs
12 x 10-bit SD-SDI, HD-SDI and 6G-SDI.

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

SDI Reclocking
On all SDI outputs.

Reference Input
Tri-Sync or Black Burst.

Control Panel Connection
Ethernet.

Serial Control Connection
RJ-6 RS-422.

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

Updates
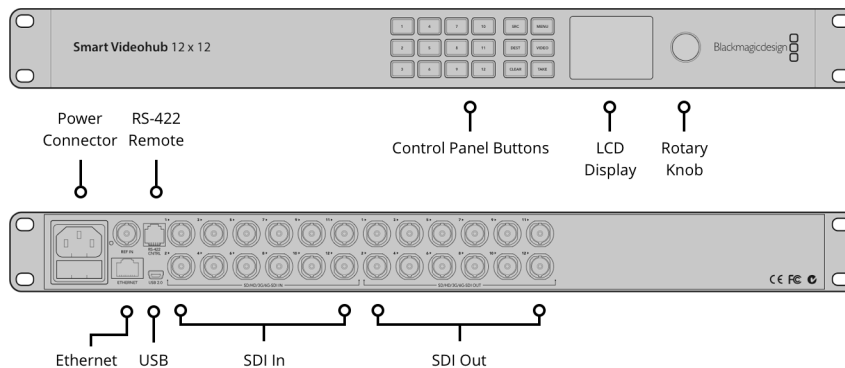USB

Front Panel Router Control
12 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 RJ45 Ethernet.

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
10-bit 4:2:2 and 4:4:4

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
12 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
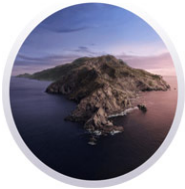Ethernet Videohub Control Protocol.

Software

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

Internal Software Upgrade
Via included updater application.

Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina or later.

Windows 8.1 and 10.

Display

Built in LCD for video and menu
settings.
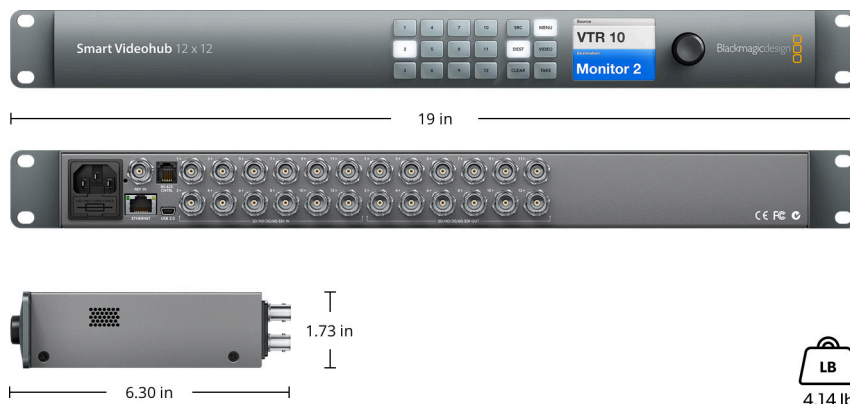
Power Requirements

Power Fail Protection

Router connections preserved and
restored instantly at power on.

Power Supply

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

Physical Specifications

19 in

1.73 in

6.30 in

4.14 lb

Physical Installation

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 12x12
SD card with software and manual

Warranty

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

Blackmagic Design Authorized Reseller