

Smart Videohub 12G 40x40



Advanced 12G-SDI video router supports any SD, HD or Ultra HD SDI format on the same router at the same time. Smart Videohub 12G 40x40 features 40 inputs and 40 outputs and includes video reference, redundant power connections and an elegant machined metal front panel with large full HD LCD for monitoring and routing label display. Routing can be performed by direct button selection and the spin knob controller. 12G-SDI technology supports all SDI video standards up to 2160p60.

\$4,995

Connections

SDI Video Input

40 x 10-bit SD-SDI, HD-SDI and 12G-SDI.

SDI Video Output

40 x 10-bit SD-SDI, HD-SDI and 12G-SDI.

Reference Input

Black burst and Tri-level sync for SD, HD and 4K.

Reference Output

Reference terminating loop output.

Multi Rate Support

Auto detection of SD, HD or 12G-SDI. Simultaneous routing of 4K, HD and SD video.

Updates

USB or Ethernet.

Front Panel Router Control

40 buttons for local control of Videohub. 6 buttons and scroll wheel for control of LCD display or RJ45 Ethernet. RS-422.

Router Configuration

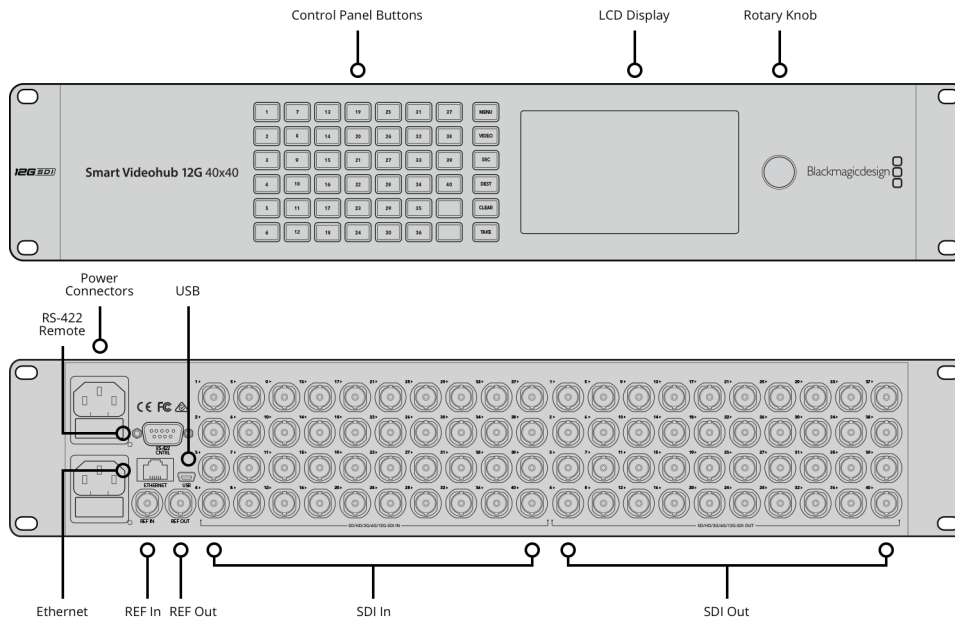
Via front panel LCD or RJ45 Ethernet.

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 12G-SDI video.



Standards

SD Format Support

625/25 PAL, 525/29.97 NTSC and 525/23.98 NTSC.

HD Format Support

1280 x 720p50, 1280 x 720p59.94, 1280 x 720p60, 1920 x 1080i50, 1920 x 1080i59.94, 1920 x 1080i60, 1920 x 1080PsF23.98, 1920 x 1080PsF24, 1920 x 1080PsF25, 1920 x 1080PsF29.97, 1920 x 1080PsF30, 1920 x 1080p23.98, 1920 x 1080p24, 1920 x 1080p25, 1920 x 1080p29.97, 1920 x 1080p30, 1920 x 1080p50, 1920 x 1080p59.94, 1920 x 1080p60.

2K Format Support

2048 x 1080p23.98, 2048 x 1080p24, 2048 x 1080p25, 2048 x 1080PsF23.98, 2048 x 1080PsF24, 2048 x 1080PsF25

4K Format Support

3840 x 2160p23.98, 3840 x 2160p24, 3840 x 2160p25, 3840 x 2160p29.97, 3840 x 2160p30, 3840 x 2160p50, 3840 x 2160p60, 4096 x 2160p23.98, 4096 x 2160p24, 4096 x 2160p25, 4096 x 2160p29.97, 4096 x 2160p30, 4096 x 2160p50, 4096 x 2160p60.

SDI Compliance

SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 310M, SMPTE 425M Level B, SMPTE 425M Level A, 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, 6G-SDI and 12G-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

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, 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.

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 10.10 Yosemite, Mac OS X 10.11 El Capitan or later.



Windows 8.1 or Windows 10.

Display

Displays

Built-in 5" LCD for video and menu settings.

Physical Installation

2 rack unit size. Less than 6 inches deep.

Power Requirements

Power Fail Protection

Crosspoint connections preserved and restored instantly at power on.

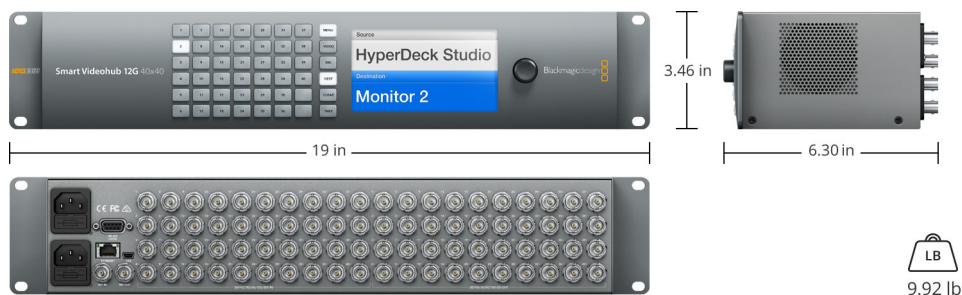
Power Supply

IEC power cables required. 2 x 90 - 240V AC inputs for full redundancy.

Power Consumption

27 Watts

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 12G 40x40

Software SD card

Warranty

12 Month Limited Manufacturer's Warranty.

All items on this website are copyright Blackmagic Design Pty. Ltd. 2016, all rights reserved.

All trademarks are property of their respective owners. MSRP excludes sales taxes/duties and shipping costs.

Blackmagic Design Authorized Reseller