Smart Videohub 40x40

Advanced 40 x 40 multi format SD, HD and Ultra HD SDI router with built in video monitoring and spin knob control for visual routing so that you can quickly route your video by looking at it! Smart Videohub 40x40 fits a massive 80 multi rate 6G-SDI connections in a compact two rack unit size!

$2,995

Connections

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

**SDI Video Outputs**
40 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, auto switching between standard definition, high definition or 6G-SDI video.

**Reference Input**
Tri-Sync or Black Burst.

**Reference Output**
Reference terminating loop output.

**Control Panel Connection**
Ethernet.

**Serial Control Connection**
DB-9 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**
40 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. USB for firmware updates and IP address setting 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 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,
4K DCI 29.97p, 4K DCI 30p

**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 2082-1,
SMPTE 2082-10, ITU-R BT.656 and ITU-R BT.601

**SDI Video Sampling**

**SDI Audio Sampling**
Television standard sample rate of 48kHz and 24-bit.

**SDI Color Precision**

**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**
40 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 or Windows 10.

Display

**Displays**
Built in 5 inch LCD for video and menu settings.

Power Requirements

**Power Supply**
2 x Internal 90 - 240V AC. IEC power cables required.

**Power Fail Protection**
Crosspoint connections preserved and restored instantly at power on.

**Power Consumption**
58 Watts
Physical Specifications

Physical Installation

2 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 40x40
SD card with software and manual

Warranty

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