

## The world's largest affordable 3 Gb/s SDI routers!

### Connect all Your Equipment Together

Now you can eliminate complicated manual video patching forever! Videohub routers let you connect all the equipment in your facility and easily change connections from your computer's desktop. Videohub routers are powerful broadcast grade routing switchers that feature a massive number of inputs and outputs, plus all models include built in deck control ports and full SDI re-clocking. All SDI inputs auto switch between SD, HD and 3 Gb/s SDI, so you can connect SD, HD and 2K video devices all on the same router, all at the same time!

### Three Great Models

There are three models of Videohub to choose from, so you can buy one that's big enough to fit every piece of SDI equipment you own. Enterprise Videohub is one of the world's largest routers and features a massive 144 SDI inputs, and 288 SDI outputs. The Broadcast Videohub model features a large 72 SDI inputs and 144 SDI outputs, and the compact Studio Videohub features 16 SDI inputs and 32 SDI outputs. All models have the same great features and Videohub routers are big enough so you can connect all your SDI equipment.



## Videohub

# The first re-think of routers since the 70's, means better quality and affordability!

### Next Generation Design

Videohub is a complete re-think on router design. In the past routers have been designed as large chassis with plug in cards. That was great in the 70's when analog video required constant adjustment. Now with modern 3 Gb/s SDI video, it's the plug in cards and the connectors they use, that are the biggest cause of reliability and SDI signal quality problems.

Videohub eliminates all this with a single PCB design that's more reliable and less than an inch thick! That's perfect for studios where space is tight or even broadcast trucks where vibration from road travel can damage sensitive components on older router designs.

### Industrial Strength Routing Switches

Blackmagic Design's Videohub routers are not only based on a revolutionary design but they also have the most advanced electronics technology available today. All Videohub routers include SDI re-clocking so even the longest distance equipment from your router can be connected together. Combined with redundant power supplies, power fail protection and high reliability single PCB construction, Videohub routers are true broadcast quality.

### Independent Monitoring

Because most editors love monitoring direct from the router, Videohub has twice as many SDI outputs that can be totally dedicated to monitoring. Independent monitoring outputs are great when you need to quickly look at decks and other editing systems in your facility. You can also use the extra outputs to connect consumer VHS and DVD recorders via external converters if needed.



### Easy to Connect all Your Equipment

If you've had experience with routing switches, you will know that they can be a confusing mess of connectors that even a rocket scientist would have trouble understanding. Videohub is different and designed for normal creative users to get up and running in seconds.

Each user's connections are grouped for easy connection. The back panel is divided up with clear labels on how each user can connect their edit systems video input, video output, monitoring and deck control. You can custom label each input and output, so that makes it much easier to use. Of course you can choose to ignore the grouped connections and just connect any input and output to any equipment you like. You always have the freedom to connect how you choose!



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### Studio Videohub

Studio Videohub is perfect for smaller workgroups who need compact size at an affordable cost. Studio Videohub has the exact same high performance features of the larger models, including 3 Gb/s SDI, auto standard detection for SD, HD and 3 Gb/s HD-SDI formats, re-clocking and more.

Studio Videohub features 16 inputs, 32 outputs and 16 deck control ports all packed into a tiny 2 rack unit size less than an inch thick. Studio Videohub uses the same power supply as the larger models and the same powerful software.

### Broadcast Videohub

Broadcast Videohub is an ideal central router for larger post production facilities and regional broadcasters. Broadcast Videohub is the perfect combination of large size at an affordable price, so you can use it for connecting all your equipment to a central location. Broadcast Videohub features a massive 72 inputs, 144 outputs and 72 deck control ports all packed into a compact 8 rack unit size less than 3 inches thick. Broadcast Videohub features redundant power supplies and uses the same powerful Videohub software.

### Enterprise Videohub

Enterprise Videohub is a massive size that's perfect for the largest facility or broadcaster. Enterprise Videohub is one of the largest routers available, and includes the same advanced technology as the other Videohub models at an affordable price. Enterprise Videohub features a massive 144 inputs, 288 outputs and 144 deck control ports all packed into a 16 rack unit size less than 3 inches thick. Enterprise Videohub features redundant power supplies and uses the same powerful Videohub software.

### Which Model?

Which model do you choose? That's simple, all you need to do is add up how many SDI based devices you own and then buy a Videohub big enough to connect them all. You don't need to worry about manual SDI connections any longer because you just plug everything you own into Videohub. Now you can connect any device to any other device at any time, just with the click of a button or menu. It couldn't be easier, only routers like Videohub let you connect all your video equipment together, so your creative team can share all your expensive video equipment instantly. Videohub helps you totally eliminate the cable mess of a growing television production facility. Of course you may want to choose a Videohub that has room to grow, just in case you become too successful!

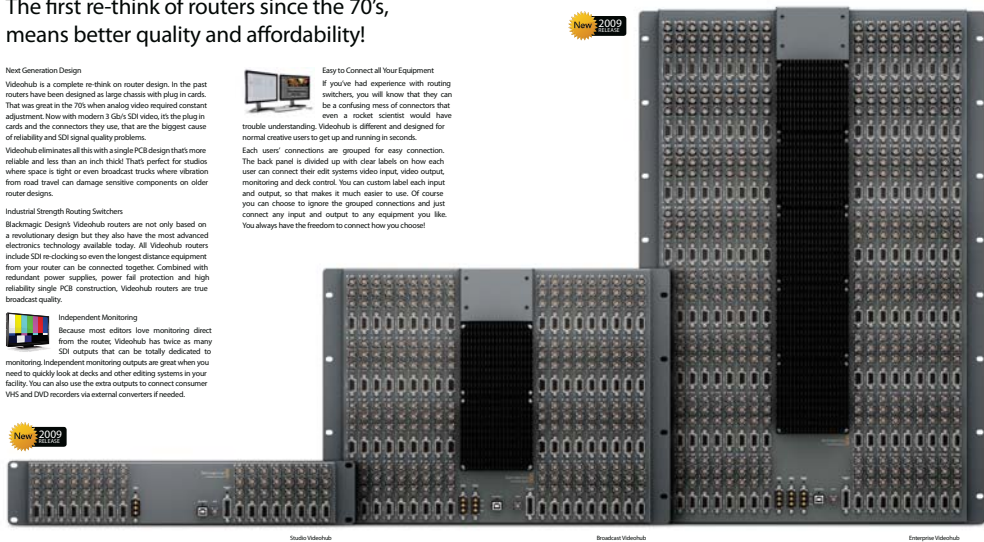
**Deck Control Routing**  
All Videohub models include full independent Sony compatible KC-422 serial control routing built in, so each editing system can control any deck in your facility. Each deck control connection is independently reversible via software control, so it's easy to connect edit stations or decks to any of the deck control ports.

**SDI Re-Clocking**  
For a true broadcast quality solution, Videohub routers include built in SDI re-clockers on each SDI input which regenerate the SDI video signal. Every inch of video cable from your SDI video devices degrades the SDI signal. Expensive premium grade "digital" cables can help, however will never eliminate this loss. With SDI re-clocking you can have a regenerated and clean SDI signal out to all the SDI devices in your studio. That means longer cable lengths and no glitches in your video.

**World's Highest Quality 3 Gb/s SDI**  
With new 3 Gb/s SDI connections built in, Videohub allows twice the SDI data rate than normal HD-SDI. Use 3 Gb/s SDI for high resolution real time 2048 x 1556 feature film editing. 3 Gb/s SDI has full compatibility with SD, HD or 2K so you connect to all your current SD and HD equipment. Videohub lets you connect all this equipment at the same time, as it auto switches the moment any SDI input changes video format. That means Videohub keeps up with you and will never slow you down. With support for auto switching between all SD, HD and 3 Gb/s HD-SDI video formats, you know your Videohub router is future proof.

**Connect to Everything**  
Videohub uses standard SDI connections that auto switch between all SD, HD and 3 Gb/s HD-SDI video formats, so you can connect to virtually any device used in television production. Connect all your editing systems, decks, monitors and anything else you can imagine. If you're working in high quality Dual Link 4-4 RGB video, then you can just use two SDI connectors for Dual Link routing. Videohub is fully compatible with all SDI converters, such as Blackmagic Design Mini Converters for connecting to analog equipment. You could even use Blackmagic Design's DVI Extender with HDLink Pro to extend and route your computer monitor anywhere in your facility!

**Power Fail Protection**  
For added reliability in critical environments, router connections are preserved in non volatile RAM in case of power failure. When power is restored all connections recover instantly even if the host computer is not connected.



# Videohub

The world's greatest router interface

**Sources**

**Destinations**

Your destinations are all neatly placed within the lower panel

Your connections are shown when illuminated in blue

Includes a suite of great icons to make navigation quicker.

Each button can have its status changed or locked

A grey lock symbol indicates another user has locked this destination

Your sources are all neatly placed within an easy to navigate top panel

## World's Greatest Router Control

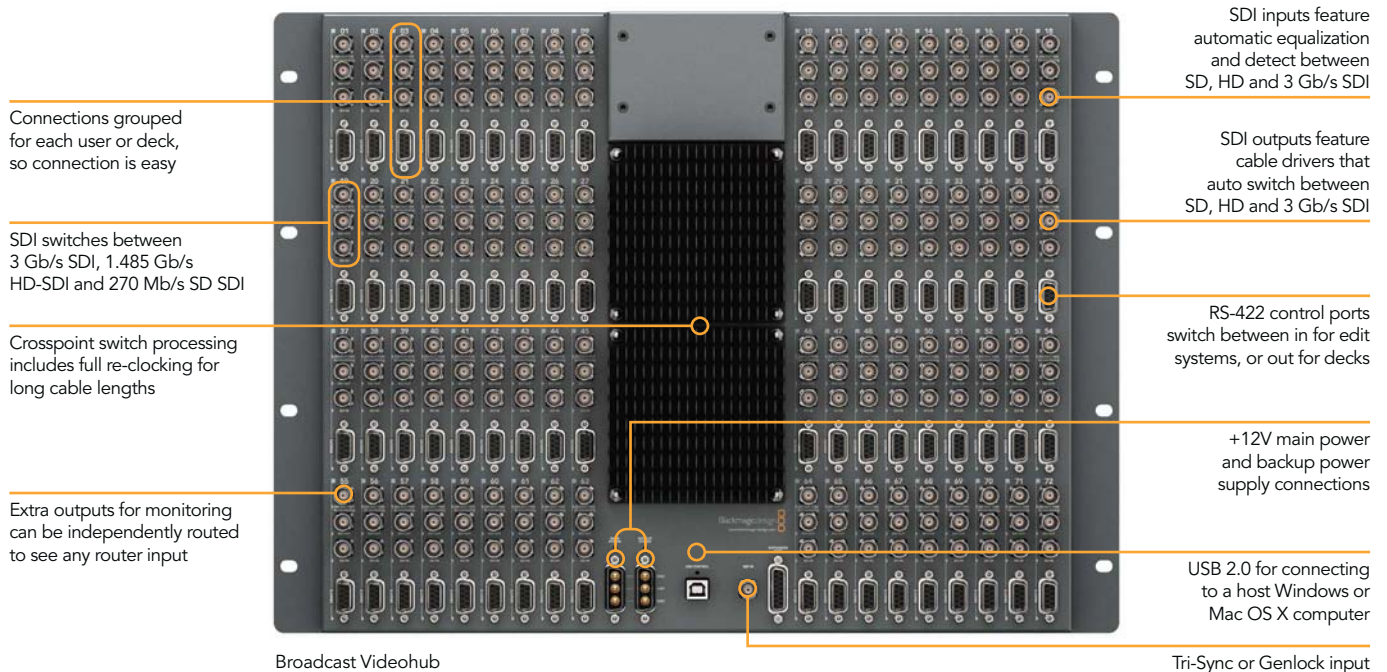
Say goodbye to expensive and hard to use custom hardware control panels! Videohub uses software control panels that run on any computer so you can control the router right from your desktop. There is a wide a range of control panel styles to suit your workflow. You can even use large touch screen all-in-one computers as a customized router controller with easy to press icon buttons in an elegantly designed layout. Videohub is easily the world's most beautiful router!

## Network Router Control

Videohub uses software control panels that run on Windows™ and Mac OS X™. This lets you control the router from the same system you edit on. Videohub connects to any computer via USB and is then shared over your local network. Simply connect to the router via the USB 2.0 connection which activates any computer as the host, allowing other computers on your network to connect. You can even use our developer SDK for your own custom software control!

# Videohub

## Great router features



## Choose a Videohub that's best for you!

### Studio Videohub

- 16 SDI inputs compliant with SMPTE 292M, SMPTE 259M, SMPTE 424M and ITU-R BT.656.
- 32 outputs compliant with SMPTE 292M, SMPTE 259M, SMPTE 424M and ITU-R BT.656.
- Automatically switches between SD-SDI, HD-SDI and 3 Gb/s SDI on each input, so each input can be running a different television standard.
- 16 independent Sony™ compatible RS-422 serial control ports. Each port is independently reversible via software control to allow broadcast decks or editing workstations to be connected to any port.
- Simultaneous connection of SD, HD and 3 Gb/s equipment in your facility using the one router.
- Full SDI reclocking supported allowing long SDI cable lengths.

### Broadcast Videohub

- 72 SDI inputs compliant with SMPTE 292M, SMPTE 259M, SMPTE 424M and ITU-R BT.656.
- 144 outputs compliant with SMPTE 292M, SMPTE 259M, SMPTE 424M and ITU-R BT.656.
- Automatically switches between SD-SDI, HD-SDI and 3 Gb/s SDI on each input, so each input can be running a different television standard.
- 72 independent Sony™ compatible RS-422 serial control ports. Each port is independently reversible via software control to allow broadcast decks or editing workstations to be connected to any port.
- Simultaneous connection of SD, HD and 3 Gb/s equipment in your facility using the one router.
- Full SDI reclocking supported allowing long SDI cable lengths.
- Redundant power supply with automatic failover

### Enterprise Videohub

- 144 SDI inputs compliant with SMPTE 292M, SMPTE 259M, SMPTE 424M and ITU-R BT.656.
- 288 outputs compliant with SMPTE 292M, SMPTE 259M, SMPTE 424M and ITU-R BT.656.
- Automatically switches between SD-SDI, HD-SDI and 3 Gb/s SDI on each input, so each input can be running a different television standard.
- 144 independent Sony™ compatible RS-422 serial control ports. Each port is independently reversible via software control to allow broadcast decks or editing workstations to be connected to any port.
- Simultaneous connection of SD, HD and 3 Gb/s equipment in your facility using the one router.
- Full SDI reclocking supported allowing long SDI cable lengths.
- Redundant power supply with automatic failover