

| Connections | Studio Videohub™ | Broadcast Videohub™ | Enterprise Videohub™ |
|---------------------------|--|--|---|
| SDI Video Input | 16 x 10 bit SD SDI, HD-SDI, 3Gb/s HD and 2K switchable. | 72 x 10 bit SD SDI, HD-SDI, 3Gb/s HD and 2K switchable. | 144 x 10 bit SD SDI, HD-SDI, 3Gb/s HD and 2K switchable. |
| SDI Video Outputs | 32 x 10 bit SD SDI, HD-SDI, 3Gb/s HD and 2K switchable. | 144 x 10 bit SD SDI, HD-SDI, 3Gb/s HD and 2K switchable. | 288 x 10 bit SD SDI, HD-SDI, 3Gb/s HD and 2K switchable. |
| Dual rate support | Auto detection of SD, HD or 3 Gb/s SDI. Simultaneous routing of both HD and standard definition video. | | |
| Device Control | 16 x bidirectional Sony™ compatible RS422 deck control ports. Serial ports TxRx pin reversible under software control. | 72 x bidirectional Sony™ compatible RS422 deck control ports. Serial ports TxRx pin reversible under software control. | 144 x bidirectional Sony™ compatible RS422 deck control ports. Serial ports TxRx pin reversible under software control. |
| Router Control | USB 2.0 high speed interface shared over IP network. | | |
| Updates and Configuration | USB 2.0 high speed (480Mb/s) interface. | | |
| Re-clocking | On all SDI inputs, auto switching between standard definition, high definition or 3 Gb/s SDI video. | | |
| Standards | | | |
| SD Format Support | 625/25 PAL and 525/29.97 NTSC. | | |
| HD Format Support | 1080p24, 1080p25, 1080p30, 1080i48, 1080i50, 1080i59.94, 720p30, 720p50, 720p59.94 and 720p60. | | |
| 2K Format Support | 2048 x 1556/23.98 and 24. | | |
| SDI Compliance | SMPTE 292M, SMPTE 259M, SMPTE 296M, SMPTE 425M-A, SMPTE 425M-B, ITU-R BT.656 and ITU-R BT.601. | | |
| SDI Video Sampling | 4:2:2 and 4:4:4 when using 2 routes. | | |
| SDI Video Rates | SDI video connections are switchable between standard definition and high definition. SDI switches between 270 Mb/s standard definition SDI, 1.5 Gb/s HD-SDI and 3 Gb/s HD and 2K SDI. | | |
| SDI Color Precision | 4:2:2 and 4:4:4 10 bit when using 2 routes. | | |
| SDI Color Space | YUV, or RGB when using 2 routes. | | |
| SDI Metadata Support | Video payload identification ancillary data as per SMPTE 352M. | | |
| SDI Audio Sampling | Television standard sample rate of 48 kHz and 24 bit. | | |
| SDI Auto Switching | Automatically selects between SD SDI, HD-SDI and 3 Gb/s SDI on each input so that each input can be running a different television standard. | | |
| Extras | | | |
| Software Control | Router control included free for Windows™ and Mac OS X™. | | |
| Firmware Upgrade | Via included firmware updater application. | | |
| Installation | 2 rack unit size. Less than a few inches deep. | 8 rack unit size. Less than a few inches deep. | 16 rack unit size. Less than a few inches deep. |
| Power Supply | 1 x Universal power supply included. IEC power cable required. | 2 x Universal power supply included. IEC power cable required. Second power supply is permanently connected and works as a redundant power source. | 3 x Universal power supply included. IEC power cable required. Third power supply is permanently connected and works as a redundant power source. |
| Power Fail Protection | Router connections preserved and restored instantly at power on independently of host computer. | | |
| Product Warranty | 3 Year Limited Manufacturer's Warranty. | | |