

PLATFORM

Physical

1 RU server platform

Software

Linux 64-bit server

Virtualized

Available as a virtual machine or Docker Instance

Deployable on AWS, Azure, Google or other cloud platforms

VIDEO

Resolutions

4K/UHD: 25/29.97/30/50/59.94/60

HD: 1080p 25/29.97/30/50/59.94/60

1080i 50/59.94/60

720p 25/29.97/30/50/59.94/60

SD: PAL, NTSC, 480p, 576p

Decoding

Codec: H.264/AVC (4:2:0 8-bit), H.265/HEVC (up to 4:2:2 10-bit)

Bitrates: 100 Kbps up to 160 Mbps

Regulation mode: VBR and CBR

Up to 8x HD or 1x 4K decoding

Encoding

Codec: h.264/AVC 4:2:0 8bits

Bitrates: 100 kbps up to 20 Mbps

Regulation mode: CBR

Up to 8 HD live encoding

Processing

Video Down-scaling & Upscaling

Deinterlacing

AUDIO

Decoding

AAC-LC, AAC-HE v2, MPEG-1 L2, OPUS

Encoding

AAC-LC, MPEG1-L2, OPUS

STREAMING PROTOCOLS

Inputs

TS/IP (SPTS), RTSP/RTP, RTMP push and pull,

HLS, SRT, SST (IP and cellular bonding), NDI

IGMPv3 & SSM for TS multicast input

Outputs

TS/IP (SPTS), RTSP/RTP, RTMP, RTMPS push and pull

HLS, SRT, SST (IP and cellular bonding), NDI

ADVANCED FEATURES

- Metadata support for Live and Forward
- Time Code Ancillary Data passthrough
- SIP-based and legacy intercom
- SST protocol
- IP Data Bridge Gateway
- Video return AES encryption
- MPEG2-TS and MP4 recording
- Transmuxing stream processing
- Streaming to social media platforms including YouTube, Facebook, and Twitch
- Multi-view output
- Video Return Management

PHYSICAL INTERFACES

StreamHub Lite

- Dual GigE network interfaces
- 1x 3G-SDI or 1x HDMI output

StreamHub Standard

- Dual GigE network interfaces
- 4 x 3G-SDI outputs (SD/HD) with genlock

StreamHub Ultra

- Dual GigE network interfaces
- Up to 8 x 3G-SDI outputs or 4 x 12G-SDI outputs with genlock

MONITORING

- Web-based GUI
- Comprehensive REST API for third-party management system integration
- Integrated with Haivision Manager

POWER

- Redundant power supply