



Video Network Bridge for Live Contribution and Distribution

The Haivision Media Gateway is a component for low latency video streaming workflows that converts between streaming protocols to bridge different networks and also grants the flexibility to distribute streams across multiple destinations. Available as a hardware appliance, virtual machine or in the cloud on Microsoft Azure, Alibaba Cloud, and AWS Marketplace, the Haivision Media Gateway helps broadcasters with live contribution, backhaul, remote monitoring, remote interviews, and live video distribution.

Transport High Quality Video Over Any Network The Haivision Media Gateway supports Haivision's open-source SRT (Secure Reliable Transport) protocol - a technology that optimizes live video distribution across unpredictable networks, like the internet, by assuring quality-of-service when faced with packet loss, congestion, jitter, latency, and fluctuating bandwidth. Leveraging SRT, the Haivision Media Gateway is ideal for transporting high-quality, low latency and secure live video across public and private networks, and offers significant operational flexibility and cost savings compared to satellite or custom network infrastructures.

The IP Network Bridge The Haivision Media Gateway helps take video streams from one network environment to another. Whether bridging between LANs, MPLS, satellite IP, public internet, or any combination of these networks, the Haivision Media Gateway is the perfect element thanks to its advanced network interface configuration, native SRT protocol support and friendly firewall traversal. In addition, the Haivision Media Gateway is codec agnostic and provides support for any standard MPEG stream - future proofing every solution.

Video Ecosystem Compatibility The Haivision Media Gateway converts streams between SRT, Transport Stream over UDP (unicast and multicast), and can also input RTSP and RTMP and output HLS. As a component of an end-to-end video workflow, the Haivision Media Gateway supports stream interoperability directly with Haivision's Makito X family of encoders and decoders, Haivision's transcoders, the high performance InStream Mobile player for iPhone and Android, and any standard third party UDP streams, giving the flexibility to extend virtually any video workflow over any network.

Packaged to Suit Your Application Needs For always-on broadcast applications such as remote monitoring and affiliate distribution, the Haivision Media Gateway is available as an appliance or as a perpetual VM or cloud license with no recurring user or bandwidth charges. For occasional or scheduled usage such as events, remote broadcasts, and live interviews, the Haivision Media Gateway is available as a pay-as-you-go service on AWS Marketplace and as a BYOL (Bring Your Own License) on Microsoft Azure, AWS and AliCloud.

Extend Your Enterprise Video Experience Seamlessly integrated with Haivision's enterprise video platform, the Haivision Media Gateway creates a secure enterprise content delivery network (eCDN) extending internal broadcasts, all hands meetings, and on-demand video libraries to remote locations and scales video delivery to thousands of employees.

FEATURES

Low End-to-End Latency

AES 256 Bit Encryption

Integrated with Haivision product portfolio

BENEFITS

Facilitates live interaction between remote locations

Prevent unauthorized viewing, recording and redistribution of private content

Complete end-to-end solution

HAIVISION MEDIA GATEWAY*Inputs:*

MPEG Transport Stream over UDP
 MPEG Transport Stream over RTP
 Haivision SRT Streams
 RTSP (non-HTTP)
 RTMP (from Server and from RTMP encoder)

Outputs:

MPEG Transport Stream over UDP
 MPEG Transport Stream over RTP
 Haivision SRT Streams
 Encrypted HLS with configurable segment size

Networking:

Unicast and Multicast Support
 Network Routing and Bonding
 Forward Error Correction (VF FEC)
 128/256-bit AES Encryption

Metadata Pass-Through:

Closed Captioning (EIA-608 & EIA-708)
 KLV
 Time Code

Management:

Web User Interface (HTTPS)
 Console UI

HAIVISION MEDIA GATEWAY SYSTEM 100

100 Mbps aggregate output streaming capacity
 Small form factor appliance

Platform:

Secure Linux-based OS (NIST 800-53 r.4)

Network:

1x GigE Base-T NIC
 1x SFP+ Slot with 1x GigE Base-T Transceiver

Weight / Dimensions:

3.12 lbs (1.41 kg)
 36H x 182W x 178.2D (mm) (1.417"H x 7.165"W x 7.015"D)

Power:

External Power Supply 65W

HAIVISION MEDIA GATEWAY SYSTEM 200

200 Mbps aggregate output streaming capacity

Server platform (1RU)

Platform:

Secure Linux-based OS (NIST 800-53 r.4)

Network:

2x GigE Base-T NIC

Weight / Dimensions (without faceplate):

17.76 lbs (8.058 kg)

1RU: 42.4H x 434W x 394.3D (mm) (1.669"H x 17.086"W x 15.523"D)

Power:

Single Power 250W

HAIVISION MEDIA GATEWAY SYSTEM 500

500 Mbps aggregate output streaming capacity

Server platform (1RU)

Platform:

Secure Linux-based OS (NIST 800-53 r.4)

Network:

4x GigE Base-T NIC

Weight and Dimensions (without faceplate):

43.87 lbs (19.9 kg)

1RU: 42.8H x 434W x 607D (mm) (1.685"H x 17.086"W x 23.897"D)

Power:

Dual Power 550W

VIRTUAL MACHINES*VMware:*

VSphere ESXi v5.5 and above

AWS Marketplace:

Bring Your Own License (BYOL)

Pay As You Go (PAYG)

Microsoft Azure:

Bring Your Own License (BYOL)

Haivision Media Gateway software version 3.0

Haivision Media Gateway Product Portfolio & Ordering Information **

Haivision Media Gateway System
 100/200/500

S-MG-100
S-MG-200
S-MG-500

Unicast & Multicast support. Up to 100/200/500 Mbps aggregated output streaming.
 Small Form-Factor appliance (desktop/shelf-mountable).

Haivision Media Gateway VM
 100/200/500

VM-MG-100
VM-MG-200
VM-MG-500

Unicast & Multicast support. Up to 100/200/500 Mbps aggregated output streaming.
 VMWare Virtual Appliance (no hardware included).

Haivision Media Gateway AWS
 BYOL 100/200/500

MI-MG100-AWS-BYOL
MI-MG200-AWS-BYOL
MI-MG500-AWS-BYOL

Up to 100/200/500 Mbps aggregated SRT output streaming. Bring Your Own License.
 Excluding AWS Service charges.

Haivision Media Gateway Azure
 BYOL 100/200/500

MI-MG100-AZU-BYOL
MI-MG200-AZU-BYOL
MI-MG500-AZU-BYOL

Up to 100/200/500 Mbps aggregated SRT output streaming. Bring Your Own License.
 Excluding Azure Service charges.

Haivision Media Gateway AliCloud
 BYOL 100/200/500

MI-MG100-ALI-BYOL
MI-MG200-ALI-BYOL
MI-MG500-ALI-BYOL

Up to 100/200/500 Mbps aggregated SRT output streaming. Bring Your Own License.
 Excluding AliCloud Service charges.

** For complete pricing and ordering, contact us at sales@haivision.com or your certified Haivision reseller.