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 gives you the flexibility to distribute streams to multiple destinations. Available as a hardware appliance, virtual machine or in the cloud on Microsoft Azure 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 SRT (Secure Reliable Transport), 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 enables you to take video streams from one network environment and send them across into any other network. Whether you need to bridge between LANs, MPLS, satellite IP, public internet, or any combination of these networks, the Haivision Media Gateway is the perfect bridge 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 your solution.

Video Ecosystem Compatibility The Haivision Media Gateway converts streams between SRT, Transport Stream over UDP (unicast and multicast), and can also output HLS. As a component of your 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 you 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, 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.

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 | Benefits

Features	Benefits
Low End-to-End Latency	Facilitates live interaction between remote locations
AES 256 Bit Encryption	Prevent unauthorized viewing, recording and redistribution of private content
Integrated with Haivision's Product Portfolio	Complete end-to-end solution

HAIVISION MEDIA GATEWAY
Inputs:
MPEG Transport Stream over UDP
MPEG Transport Stream over RTP
Haivision SRT Streams
Outputs:
MPEG Transport Stream over UDP
MPEG Transport Stream over RTP
Haivision SRT Streams
Encrypted HLS with configurable segment size
Networking:
2x RJ-45 Ethernet (10/100/1000 Base-T)
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

Platform:
Secure Linux-based OS (NIST 800-53 r.4)
Network:
2 GigE NIC
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:
2 GigE 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:
4 GigE 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 1.6.2

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	**MI-MG200-AWS-BYOL**	Up to 200Mbps aggregated SRT output streaming. Bring Your Own License. Excluding AWS Service charges.
Haivision Media Gateway AWS BYOL	**MI-MG500-AWS-BYOL**	Up to 500Mbps aggregated SRT output streaming. Bring Your Own License. Excluding AWS Service charges.
Haivision Media Gateway Azure BYOL	**MI-MG200-AZU-BYOL**	Up to 200Mbps aggregated SRT output streaming. Bring Your Own License. Excluding Azure Service charges.
Haivision Media Gateway Azure BYOL	**MI-MG500-AZU-BYOL**	Up to 500Mbps aggregated SRT output streaming. Bring Your Own License. Excluding Azure Service charges.

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