

# Haivision Media Platform All Hands | IPTV | Performance Recording

The Haivision Media Platform helps you organize, manage and share secure, high quality live and on-demand video to every employee, on any screen – desktops, monitors and mobile devices – anywhere.

## ENTERPRISE Edition

### Broadcast and Record All Hands, Town Halls and Internal Live Events Across Multiple Locations

The Haivision Media Platform **Enterprise Edition** helps you securely distribute live and on-demand broadcast-quality video, such as CEO all hands, company events, HR updates, product launches and IPTV to employees watching on any screen globally – at headquarters, remote offices, and on the road.

## SITE Edition

### Distribute IPTV and Live Corporate Content to All Screens, Desktops and Devices in Your Facility

The Haivision Media Platform **Site Edition** provides you with a powerful and easy-to-use solution to manage and deliver broadcast television channels and other live content everywhere throughout your facility.

## WORKGROUP Edition

### Performance Recording for Research Teams and Training Facilities

The Haivision Media Platform **Workgroup Edition** is designed for teams that need to watch and record multiple synchronized HD video sources for review and analysis. The Workgroup Edition lets you record up to 50 simultaneous streams<sup>1</sup> and apply powerful metadata to quickly find important moments in the video. This solution is ideal for research of all kinds, including usability testing, focus groups, simulations, and training.



High Quality



Secure



Any Screen



Flexible



Scalable

**Complete Video Solution**

Haivision is the only company that provides a complete, end-to-end enterprise media solution.

**Live Internal Webcasts**

Broadcast live all hands and town hall meetings so employees can watch anywhere, on any device.

**Simultaneous HD Recording**

Live stream and record up to 50 HD sources simultaneously for multi-view, real-time monitoring.

**IPTV Streaming**

Deliver broadcast TV channels along with live internal content to every screen throughout your organization.

**Video-On-Demand**

Share your videos and pre-recorded content with authenticated employees using a powerful content library.

**Unparalleled Security**

Protect your live and on-demand content from unauthorized viewing, copying, and redistribution with glass-to-glass AES 128/256 encryption, including compliance to security standards for enhanced safety across information systems and organizations.

**Low-Latency Delivery**

Haivision's highly efficient encoding and SRT video transport technologies enable live video to be captured and delivered in milliseconds.

**High Quality Players**

Haivision's powerful hardware and software players ensure broadcast-quality viewing experiences, including support for North American Closed Captions and user-selected languages on any device.

**SRT**

Haivision's SRT (Secure Reliable Transport) technology enables the delivery of encrypted, high performance video over the public internet.

**Multicast/Unicast**

Support for virtually any WAN/LAN infrastructure with minimal IT intervention, including standards-based support for both unicast and multicast.

**Multisite eCDN**

Distribute live streams and on-demand video to fault-tolerant Haivision Media Gateways via WAN & internet without overwhelming the network.

**Permission-Based Authentication**

Support for Active Directory, LDAP and SSO ensures that administrators can easily and securely provision employees and set-top boxes with access to the designated content.

**Set-Top Box Management**

Centrally control and schedule when and where your video is displayed on any screen - in hallways, public areas, and conference rooms and auditoriums for group viewing.

**Enterprise Integration**

Easily publish live and on-demand video to third-party portals such as Microsoft SharePoint.

**Metadata Tagging**

Extensive file-based and real-time metadata makes content easy to find and manage.

**Hybrid/Cloud**

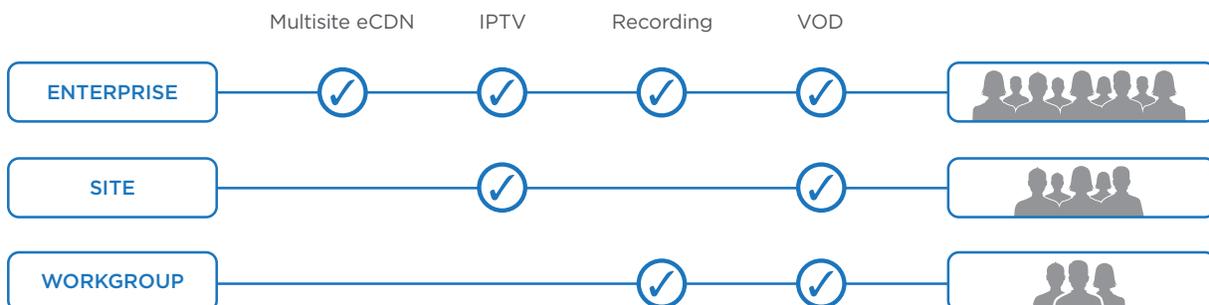
On-premise, cloud and hybrid video distribution options fit your unique needs and network infrastructure.

**Unequaled Customer Support**

Haivision provides several levels of customer support, including phone, remote and on-site assistance.

**Watch On Any Screen**

Deliver video securely to any screen, including desktops, mobile devices, and televisions. See Haivision Play for more information.





## Broadcast and Record All Hands, Town Halls and Internal Live Events Across Multiple Locations

The Haivision Media Platform Enterprise Edition helps you securely distribute live and on-demand broadcast-quality video, such as CEO all hands, company events, HR updates, product launches and IPTV to employees watching on any screen globally – at headquarters, remote offices, and on the road.

### Securely Stream All Hands and CEO Addresses

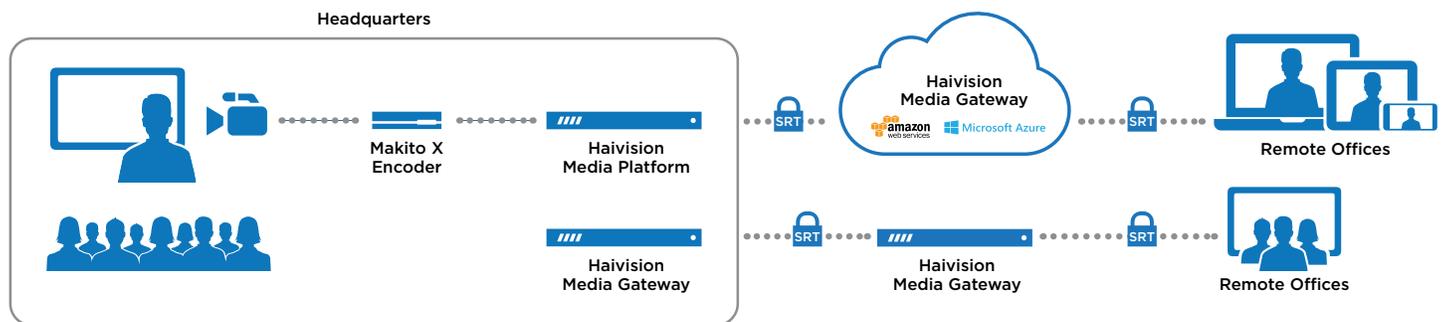
Your CEO expects the highest quality broadcast for your next all hands meeting. Ensure you can deliver that pristine viewing experience securely to every employee on all screens – without overwhelming your network. With on-premise, cloud and flexible hybrid deployment video delivery options, the Haivision Media Platform lets you easily broadcast confidential, must-not fail live events, such as all hands meetings, town halls and CEO addresses to offices around the world.

### Broadcast from Remote Facilities

Just because your executives travel, doesn't mean they can't keep in touch with the company while they are on the road. Haivision solutions give you the flexibility to broadcast company meetings and important presentations from anywhere with an internet connection: remote offices, hotels, conferences and other locations. No matter where business-related travel brings your executives, with Haivision, they can broadcast live to employees throughout the organization so they can feel connected to important company events.

### Corporate Training and Knowledge Capture

Some of the most important video assets in your organization are those produced internally for corporate communications, HR announcements, and any type of workplace learning. Haivision systems make it easy to record and upload video content, apply relevant metadata and assign permissions, so users can quickly discover content from your expanding library of on-demand videos.



## Get more eyes on your video

### Add Locations – Haivision Media Gateway

Reach more locations securely and reliably. The Haivision Media Gateway scales your video deployment to additional locations by bridging networks, formatting and replicating streams, and caching video content. You can even leverage Media Gateways in Azure and AWS to reach home offices and your internet connected mobile workforce.

### Internet Audiences – Haivision Video Cloud

The Haivision Video Cloud allows you to extend well beyond the firewall to reach large scale internet audiences with live and on-demand video that can be easily published to websites, mobile apps and leading social media platforms.



## Distribute IPTV and Live Corporate Content to All Screens, Desktops and Devices in Your Facility

The Haivision Media Platform Site Edition provides you with a powerful and easy-to-use solution to manage and deliver broadcast television channels and other live content everywhere throughout your facility.

### Corporate TV

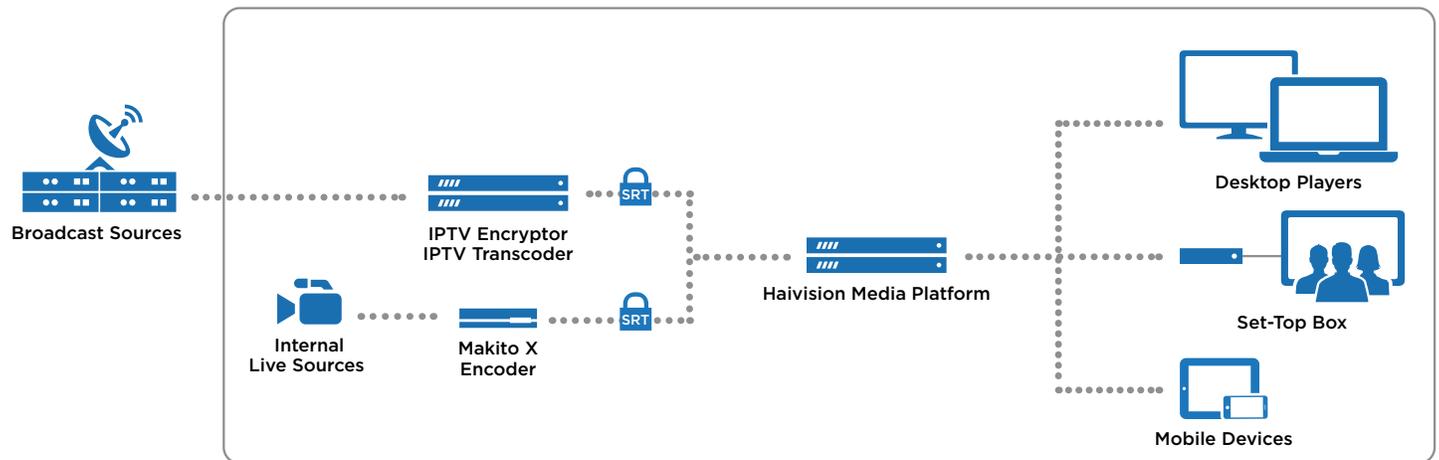
Corporate TV provides an efficient, high-impact visual messaging to staff across your organization, broadcasting corporate news, special events, internal marketing campaigns, HR training, and social events. Used in both live and on-demand, corporate videos can be displayed on TVs throughout your organization to visually inform and engage, reinforce the brand and help foster corporate culture. The Haivision Media Platform makes it easy to manage and distribute a tailored message to employees throughout lobbies, conference rooms, public areas and desktops.

### Live TV

When important current events take place, give your employees the ability to watch live news, sports and events by delivering live broadcast channels throughout your organization. Stream important sporting events and breaking news to TVs in the cafeteria, lobbies or break spaces, and even on desktop web browsers so that employees can keep an eye on the world while at work. Haivision Media Platform's centralized administration and scheduling tools control what channels your employees see, on what screens, and when.

### Mission Critical TV

Keep employees on the pulse of important events so they can react quickly to market changes and breaking news. Financial organizations such as hedge funds, banks and commodity trading firms need to bring live video content, including broadcast channels, analyst briefings and IPO updates directly onto desktops and TVs on trading floors. This makes it easier for traders to gather time-sensitive information, analyze the market, and complement data analysis and valuation. The Haivision Media Platform can provide your employees with real-time access to breaking news from around the world, right at their desk, so they can make informed decisions, faster.



## Optional Add-ons

### Haivision IPTV Encryptor

Receives encrypted streams from commercial broadcast sources for secure delivery within the Haivision Media Platform.

### Haivision IPTV Transcoder

Receives and transcodes streams from internal and commercial broadcast sources for secure delivery within the Haivision Media Platform.



### Performance Recording for Research Teams and Training Facilities

The Haivision Media Platform Workgroup Edition is designed for teams that need to watch and record multiple synchronized HD video sources for review and analysis. The Workgroup Edition lets you record up to 50 simultaneous streams<sup>1</sup> and apply powerful metadata to quickly find important moments in the video. This solution is ideal for research of all kinds, including usability testing, focus groups, simulations, and training.

### UX & Usability Testing

Never miss the critical moment of discovery. When conducting research like product testing, focus groups and usability labs, you need to record from multiple cameras and sources and make the content available for viewing and review by stakeholders. The Haivision Media Platform provides a better way to share live and recorded sessions with research teams and other key personnel throughout your facilities for later review, ensuring that the right audience gets direct input on testing and research. With rich metadata capabilities, content is easy to find, resulting in greatly improved study and analysis.

### Simulation Training

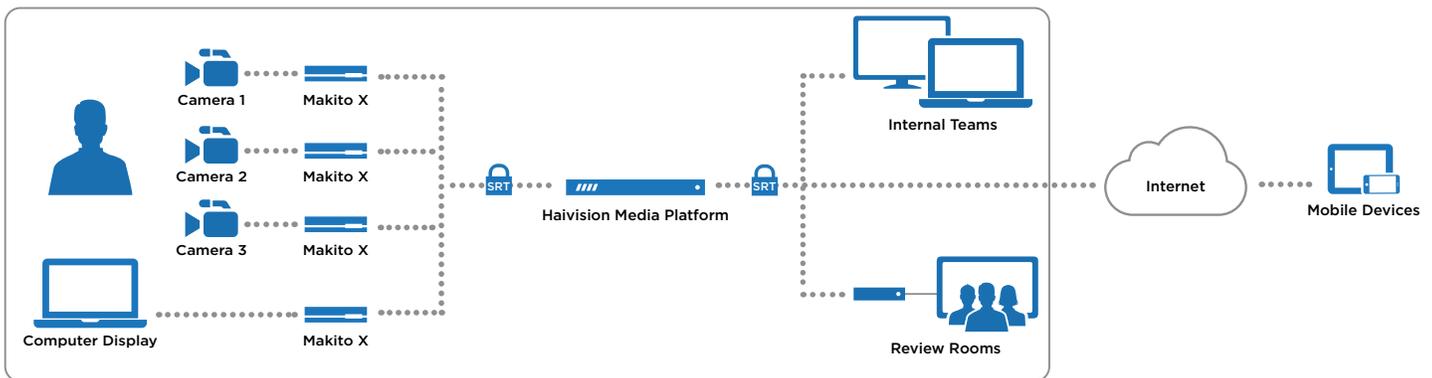
Many professions use video with simulation-based training to give trainees and participants a hands-on learning experience with instant feedback. Video recording can increase the effectiveness of the training by enabling instructors and trainees to better observe, assess and review the simulation experience and improve feedback, evaluation and ultimately, the student’s performance. The Haivision Media Platform supports your simulation training with a powerful multi-source recording engine so that your participants can gather multiple viewpoints to watch live or for later assessment. Archived recordings can be easily retrieved thanks to the Haivision Media Platform’s rich metadata tagging and search capabilities.

### Clinical Training

Continuing medical education programs and teaching hospitals can improve clinical supervision and better assess and care for patients by improving the collaboration and training of their staff. With the insight that video brings, doctors can offer feedback and assessments to the clinical staff to improve or change their clinical procedures and performance. Doctors can also collaborate on the diagnosis and treatments for the patients. With the Haivision Media Platform’s remote access features, doctors, clinicians and staff can supervise clinical diagnosis and treatments to make recommendations using live and on-demand video. Now team members can watch a clinical testing session from any laptop and mobile devices on the hospital campus. For group viewing, entire teams or classes can watch live or on-demand recordings in conference rooms, class rooms, and auditoriums on dedicated set-top boxes or on Apple TV. With any application of video in a medical environment, security is critical to helping protect patient confidentiality. Haivision’s video solutions support end-to-end encryption of all content and can be included in solutions that support HIPAA compliance.

### Haivision IPTV Transcoder

Receives and transcodes streams from internal and commercial broadcast sources for secure delivery within the Haivision Media Platform.



### Secure, High Quality Experiences

With Haivision Media Platform, users can watch live and on-demand video from the portal in a web browser, displaying up to (4) synced HD sources at once (i.e., four news channels, or a CEO and full-motion presentation). Administrators can also embed a single or dual stream player directly within company portals and intranets like SharePoint, Jive, and IBM WebSphere.



### Haivision Play

For users who require more powerful viewing options, Haivision Media Platform supports Haivision Play, a series of high performance video player applications for mobile devices, desktops, managed set-top boxes, streaming media players, and Smart TVs.



#### High quality, low latency

Users of Haivision Play can enjoy the highest quality, lowest latency video and audio playout.



#### Dual Stream Player

Haivision's dual stream player gives viewers a closer look at the presenter and their content.



#### Mobile Viewing & Streaming

Stream live, record and watch from anywhere directly with Haivision Play Mobile on iOS and Android.



#### Group Viewing

Stream live events to conference rooms and auditoriums with Haivision and Apple TV set-top boxes.



#### Set-Top Box Management

Haivision Play Set-Top Boxes can be easily controlled and managed with Haivision Media Platform.



#### End-to-End Security

Protect content from unauthorized viewing and sharing with multicast AES and encrypted HLS.



#### IPTV Channels

Give employees that ability to watch authorized IPTV channels when they need it, wherever they may be.



#### Authentication and permissions

Give employees access to the content they need across devices with SSO, Active Directory and LDAP.

### Professional Services

Haivision's experienced Professional Services team is prepared to assist customers with nearly any streaming related challenge, including pre/post sale network consulting and system design, turnkey implementation, customized cloud hosting, training, remote system/event monitoring, event staffing, event production, and on-site badged-staffing.

<sup>1</sup> The actual number of simultaneous streams is a function of the underlying hardware/VM and network capacities.

## Haivision Media Platform

### ALL HAIVISION MEDIA PLATFORMS:

#### Management Interfaces:

- Haivision Media Platform Portal
- REST API
- Command Line API
- Console UI

#### Audio/Video Formats:

- H.264
- ACC-LDTS Audio

#### Inputs:

- MPEG-2 Transport Stream
- SRT (Secure Reliable Transport)

#### Outputs:

- MPEG-2 Transport Stream
- SRT (Secure Reliable Transport)
- HLS (with end-to-end encryption)
- RTMP, RTMPS, RTMFP

#### Standard Features:

- Web-based admin & management
- User authentication, conditional access, LDAP/AD
- HTML5 Player with Flash optional
- Roles & permissions
- Stream source management
- Set-top box management
- System & user activity reporting

### ALL HAIVISION MEDIA PLATFORM SYSTEMS:

- Rack mountable
- Secure Linux-based OS (NIST 800-53 r.4)
- Intel® Xeon® processors
- Redundant hot-swappable power supplies
- RAID configurations w/ hot-swappable drives
- 100-240 VAC

### ALL HAIVISION MEDIA PLATFORM VIRTUAL MACHINES:

#### Compatible with:

- VMware vSphere ESXi 5.5 and above
- Requires VMWare or NAS storage. We highly recommend using NFS for NAS storage (NAS should be on same LAN segment as HMP).

### ALL HAIVISION MEDIA PLATFORM EDITIONS ARE EXPANDABLE THROUGH LICENSING

- 2,500 user/device license packs
- IPTV & Channel Guide
- Video-on-demand portal/content library
- 5 Recording channel packs
- KLV Metadata
- Note - Site Base must be upgraded to Site Adv before adding any options/upgrades.

## Site Edition

### HAIVISION MEDIA PLATFORM - SITE BASE

- Live IPTV & Channel Guide
- Up to 10 live channels
- 100 concurrent users (multicast)
- Single stream/session
- 608/708 Closed Captions
- User-selectable alt-language tracks

#### Management Server:

- 1RU: 42.8 H x 482.38 W x 646 D (mm)  
(1.69" H x 18.99" W x 25.43" D)
- Max Weight: 13.8 kg
- Intel Xeon CPU
- 2 NIC (10/100/1000) Ethernet
- Rated up to 500 Mbps (100 streams @ 5Mbps)
- 2 x HDD RAID-1
- Dual 350W HS power supplies

### HAIVISION MEDIA PLATFORM - SITE ADVANCED

- Live IPTV & Channel Guide
- Up to 500 live channels
- 500 concurrent users (multicast)
- Multi-stream/session
- Includes Haivision Media Gateway (encryption)
- 608/708 Closed Captions
- User-selectable alt-language tracks

#### Management Server:

- 1RU: 42.8 H x 482.38 W x 646 D (mm)  
(1.69" H x 18.99" W x 25.43" D)
- Max Weight: 13.8 kg
- Intel Xeon CPU
- 2 NIC (10/100/1000) Ethernet
- Rated up to 500 Mbps (100 streams @ 5Mbps)
- 2 x HDD RAID-1
- Dual 350W HS power supplies

#### Media Gateway (encryption):

- 1RU: 42.8 H x 482.38 W x 646 D (mm)  
(1.69" H x 18.99" W x 25.43" D)
- Intel Xeon CPU
- 2 NIC (10/100/1000) Ethernet
- Rated up to 500 Mbps (100 streams @ 5Mbps)
- 2 x HDD RAID-1
- Dual 350W HS power supplies

### HAIVISION MEDIA PLATFORM - SITE ADVANCED VOD

- Live IPTV & Channel Guide
- Up to 500 live channels
- 500 concurrent users (multicast)
- Multi-streams/session
- Video on demand portal/content library
- User generated content/watch-folder ingest
- Includes Haivision Media Gateway (encryption)
- Note - Recording Ports optional

#### Management Server:

- 2RU: 86.8 H x 482.38 W x 646 D (mm)  
(3.42" H x 18.99" W x 25.43" D)
- Max Weight: 28.2 kg
- Dual Intel Xeon CPU
- 4 NIC (10/100/1000) Ethernet
- Rated up to 1,500 Mbps (300 streams @ 5Mbps)
- 4 x HDD RAID-5 (750 hrs @ 5Mbps)
- Dual 1,100W HS power supplies

#### Media Gateway:

- 1RU: 42.8 H x 482.38 W x 646 D (mm)  
(1.69" H x 18.99" W x 25.43" D)
- Max Weight: 13.8 kg
- 2 NIC (10/100/1000) Ethernet
- Intel Xeon CPU
- Rated up to 500 Mbps (100 streams @ 5Mbps)
- 4 x HDD RAID-5 (3T cache)
- Dual 350W HS power supplies

## Enterprise Edition

### HAIVISION MEDIA PLATFORM - ENTERPRISE-2

- Enterprise webcasting functionality
- Multi-site eCDN (via Media Gateway)
- 2,500 concurrent (multicast) users (expandable)
- 5 stream recording (expandable)
- Multi-streams per session
- Video-on-demand portal/content library
- User generated content/watch-folder ingest
- IPTV & Channel Guide
- 608/708 Closed Captions
- User-selectable alt-language tracks
- Includes Haivision Media Gateway (eCDN + encryption)

#### Management Server:

- 2RU: 86.8 H x 482.38 W x 646 D (mm)  
(3.42" H x 18.99" W x 25.43" D)
- Max Weight: 28.2 kg
- Dual Intel Xeon CPU
- 4 NIC (10/100/1000) Ethernet
- Rated up to 1,500 Mbps (300 streams @ 5Mbps)
- 8 x HDD RAID-5 (1,800 hrs @ 5Mbps)
- Dual 1,100W HS power supplies

#### Media Gateway (eCDN & Encryption):

- 1RU: 42.8 H x 482.38 W x 646 D (mm)  
(1.69" H x 18.99" W x 25.43" D)
- Max Weight: 13.8 kg
- Intel Xeon CPU
- 2 NIC (10/100/1000) Ethernet
- Rated up to 500 Mbps (100 streams @ 5Mbps)
- 4 x HDD RAID-5 (3T cache)
- Dual 350W HS power supplies

## Workgroup Edition

### HAIVISION MEDIA PLATFORM - WORKGROUP 5-1

- 5 stream recording (expandable)
- Multi-streams per session
- Video-on-demand portal/content library
- User generated content/watch-folder ingest
- 100 concurrent (multicast) users (expandable)

#### Management Server:

- 2RU: 86.8 H x 482.38 W x 646 D (mm)  
(3.42" H x 18.99" W x 25.43" D)
- Max Weight: 28.2 kg
- Dual Intel Xeon CPU
- 4 NIC (10/100/1000) Ethernet
- Rated up to 1,500 Mbps (300 streams @ 5Mbps)
- 4 x HDD RAID-5 (750 hrs @ 5Mbps)
- Dual 1,100W HS power supplies

### HAIVISION MEDIA PLATFORM - WORKGROUP 25 -1

- 25 stream recording (expandable)
- Multi-streams per session
- Video-on-demand portal/content library
- User generated content/watch-folder ingest
- 100 concurrent (multicast) users (expandable)

#### Management Server:

- 2RU: 86.8 H x 482.38 W x 646 D (mm)  
(3.42" H x 18.99" W x 25.43" D)
- Max Weight: 28.2 kg
- Dual Intel Xeon CPU
- 4 NIC (10/100/1000) Ethernet
- Rated up to 1,500 Mbps (300 streams @ 5Mbps)
- 8 x HDD RAID-5 (1,800 hrs @ 5Mbps)
- Dual 1,100W HS power supplies

### HAIVISION MEDIA PLATFORM - WORKGROUP 50-1

- 50 stream recording
- Multi-streams per session
- Video-on-demand portal/content library
- User generated content/watch-folder ingest
- 100 concurrent (multicast) users (expandable)

#### Management Server:

- 2RU: 86.8 H x 482.38 W x 646 D (mm)  
(3.42" H x 18.99" W x 25.43" D)
- Max Weight: 28.2 kg
- Dual Intel Xeon CPU
- 4 NIC (10/100/1000) Ethernet
- Rated up to 1,500 Mbps (300 streams @ 5Mbps)
- 8 x HDD RAID-5 (1,800 hrs @ 5Mbps)
- Dual 1,100W HS power supplies

## Haivision Media Gateway

### HAIVISION MEDIA GATEWAY SYSTEMS FOR REMOTE LOCATIONS (ECDN):

#### HAIVISION MEDIA GATEWAY SYSTEM 100

- 100 Mbps aggregate output streaming capacity
- Small form factor appliance (optional rack-mount).
- 36 H x 182 W x 178.2 D (mm) without rackmount  
(1.42" W x 7.17" H x 7.02" D) without rackmount
- Secure Linux-based OS (NIST 800-53 r.4)
- Intel i7 CPU
- 1 NIC (10/100/1000) Ethernet
- 1 x HDD (400G Cache)
- External Power Supply 65W

#### HAIVISION MEDIA GATEWAY SYSTEM 200

- 200 Mbps aggregate output streaming capacity
- 1RU: 42.8H x 482.38W x 497D (mm)  
(1.69"H x 19" W x 19.57"D)
- Max Weight: 9.51 kg
- Secure Linux-based OS (NIST 800-53 r.4)
- Intel Xeon CPU
- 2 NIC (10/100/1000) Ethernet
- 1 x HDD (400G Cache)
- Single Power 250W (fixed)

#### HAIVISION MEDIA GATEWAY SYSTEM 500

- 500 Mbps aggregate output streaming capacity
- 1RU: 42.8 H x 482.38 W x 646 D (mm)  
(1.69" H x 18.99" W x 25.43" D)
- Max Weight: 13.8 kg
- Secure Linux-based OS (NIST 800-53 r.4)
- Intel Xeon CPU
- 2 NIC (10/100/1000) Ethernet
- Rated up to 500 Mbps (100 streams @ 5Mbps)
- 4 x HDD RAID-5 (3T cache)
- Dual 350W HS power supplies

### HAIVISION MEDIA GATEWAY VIRTUAL MACHINES:

#### Compatible with:

- VMware VSphere ESXi 5.5 and above
- Requires VMWare or NAS storage. We highly recommend using NFS for NAS storage (NAS should be on same LAN segment as HMP).
- AWS Marketplace
- Bring Your Own License (BYOL)
- Pay As You Go (PAYG)
- Microsoft Azure
- Bring Your Own License (BYOL)

### ALL HAIVISION MEDIA GATEWAY SYSTEMS/VIRTUAL MACHINES:

#### Stream Inputs:

- Haivision SRT Streams, including 128/256-bit encryption for live video transport between facilities
- HLS unicast streams for VOD transport between facilities
- Transport Stream

#### Stream Outputs:

- Haivision SRT Streams, including 128/256-bit encryption for live video transport between facilities
- HLS unicast streams for VOD transport between facilities and live streaming to local users
- Transport Stream Multicast with optional Encryption and Forward Error Correction

## Haivision Play

### HAIVISION PLAY DEVICES & APPS FOR USE WITH HAIVISION MEDIA PLATFORM:

#### See separate datasheets on:

- Haivision Play
- Haivision Play Set-Top Box

Haivision Media Gateway software version 1.6.2  
Haivision Media Platform software version 2.6.2

The Haivision Media Platform is available as a highly secure on-premise solution (Server Appliances and/or VM Appliances), cloud (on private datacenters as well as leading public clouds), and as a hybrid solution (hosted in cloud or on-prem or both), with video distribution options tailored to each unique need and network infrastructure.