Centralized Management

Haivision EMS is an element management system for broadcast, ISR, and enterprise video applications. It provides broadcast engineers and system administrators with a web-based interface for centrally managing a video streaming ecosystem based on Haivision Makito X, X4, and X1 series of video encoders decoders, across multiple sites. Haivision EMS provides a significant boost in operational efficiency, troubleshooting, and increased quality of service.

Real-Time Device Monitoring Keeping a constant watch over all the elements for video capture, encoding, streaming, and decoding can be complex - especially when they are not all located in the same place. Haivision EMS makes it possible for an administrator to easily manage and monitor geographically distributed Haivision Makito X endpoints from within a single web-based GUI. Makito X devices can be discovered and paired for secure bidirectional communications. They can also be monitored in real-time for active or idle states. If a paired device is turned off and unplugged for maintenance or down time, it will automatically be re-detected once it's back online even if its IP address has changed.

Workflow Organization Keeping track of multiple devices and remembering exactly how their inputs and outputs contribute to a workflow can be challenging when the only information available is an IP address. Haivision EMS enables administrators to organize and tag devices into different groups based on workflow function, location, or any other criteria. Multiple tags can be attributed per Makito X Encoder or Decoder providing full visibility into where each element is located and what valuable function it serves.

Centralized Upgrades Haivision software upgrades provide continual enhancements and new features for Makito encoders and decoders. However, the process of upgrading each individual device can be time-consuming when managing dozens of Makitos across different locations. Haivision EMS offers the unique ability to verify firmware versions and perform batch upgrades to multiple devices at once to greatly simplify the process of keeping all of your Makito devices up to date.

FEATURES	BENEFITS
Monitor Device States	Monitor real-time status of devices across network.
Organization	Label, search, sort and filter devices for managing encoder fleets and workflows.
Device Firmware Upgrade	Centrally upgrade multiple devices at once.
Device Discovery	Find new devices on a network to facilitate pairing to Haivision EMS.
Device Pairing	Establish a secure bi-directional communications link with each device.

HAIVISION EMS SPECIFICATIONS

Standard Features:
Web-based admin & management including:
- Device Discovery
- Device Pairing
- Monitor Device States
- Organization
- Device Firmware Upgrade

Supported Devices:
- Makito X Video Encoder
- Makito X Video Decoder
- Makito X HEVC Video Encoder
- Makito X HEVC Video Decoder
- Makito X4 Video Encoder
- Makito X4 Rugged Video Encoder
- Makito X1 Rugged Video Encoder

Server:
- Rack mountable
- Secure Linux Intel Xeon
- Dual redundant 350W hot-swappable power supplies
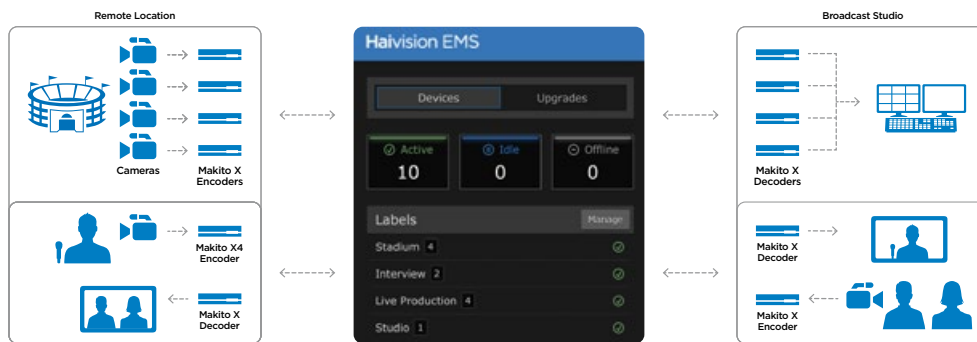- 2x HDD RAID-1
- 2x GigE Base-T NIC
- 100-240 VAC

Weight and Dimensions (1RU):
- 13.8 kg / 30.42 lbs
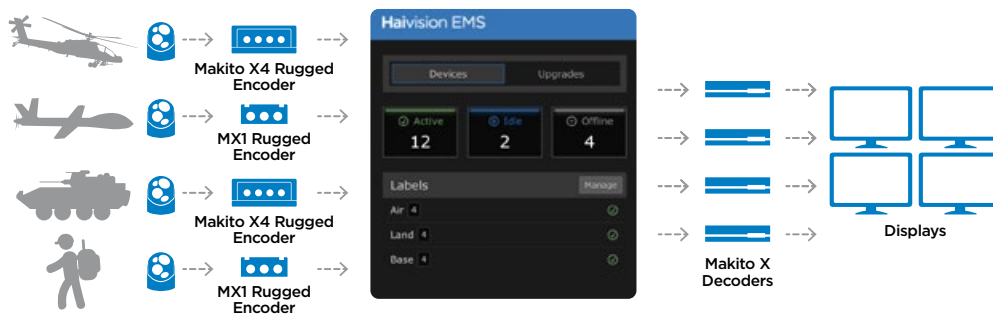- 42.8H x 434W x 570.14D (mm)
- 1.68H x 17.08W x 22.44D (in)

Virtual Machine:
- VMware
- VSphere ESXi v6.0.0 and above

Broadcast Use Case

ISR Use Case

Haivision EMS Product Portfolio & Ordering Information **

Haivision EMS Server	**S-EMS-BASE-100**	Base Edition Server – up to 100 devices
Haivision EMS Virtual Machine	**VM-EMS-BASE-100**	Base Edition ESXi VM – up to 100 devices

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