



Haivision

# Haivision Play Series

High-Performance Software & Hardware Media Players



### Secure

AES 128/256 bit encryption ensures only intended viewers can watch streams.



### High Quality

Delivers pristine quality at low bitrates making it ideal for Internet or satellite transport of video.



### View Low-Latency SRT Streams

Haivision's highly efficient encoding and SRT video transport technologies assures quality-of-service when faced with packet loss, jitter, latency, and fluctuating bandwidth from unpredictable networks.



### Up To 4K UHD Resolution

Playback up to 4K UHD live and on-demand video on the Haivision Play Set-Top Box and the Haivision Play app (on 4K compatible devices).



### No Server Required

When used in standalone mode, no central server is necessary to play back compatible live video with most Haivision Play devices.



### Next-gen Compression

Playback HEVC (H.265) video for up to 50% bandwidth reduction compared to H.264 on most Haivision Play devices.



### Set-Top Box Management

Centrally control and schedule when and where your video is displayed - in hallways, public areas, conference rooms and auditoriums.



### Permission-Based Access

Support for Active Directory, LDAP and SSO ensures that viewing permissions can be set and enforced to control access to live streams and VOD content.



## Overview & Platforms

Haivision Play is a series of high-performance software and hardware media players that provide access to video streams, via the Haivision Media Platform for live and on-demand content or direct playback of live streams when used in standalone operation. A device specific Haivision Play software player is available as a free downloadable app for Apple iOS devices, Apple TV, and Android mobile devices. Haivision Play software comes pre-installed as the main application interface on the Haivision Play Set-Top Boxes.

### A Shared and Secure Viewing Experience Across All Platforms

Haivision Play provides a common viewing experience across different platforms. When used with the Haivision Media Platform's permission management, Haivision Play ensures that content is only delivered to authorized users. Haivision Play supports video encryption from source to screen in order to secure sensitive content.

### Versatile Use Across Multiple Locations

When used in standalone mode, Haivision Play for Mobile and the Haivision Play 2000 Set-Top Box are directly tuned to video streams by the end user independently from the Haivision Media Platform.

When used with the Haivision Media Platform, Haivision Play Set-Top Boxes can be centrally managed across a multisite environment, allowing administrators to schedule live and VOD playback as well as changing channels and setting volume on one, some, or all Haivision Play Set-Top Boxes across an enterprise.

## Haivision Play solves many of today’s streaming challenges by delivering high performance video over the internet:

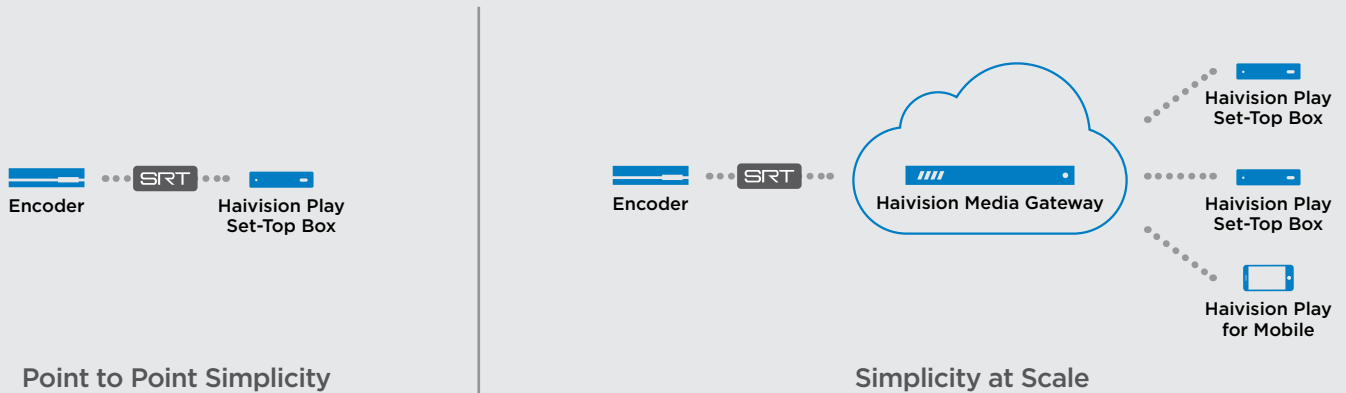
### Haivision Play Standalone Applications:

- Low latency return feeds enable field producers, talent, and technicians to coordinate with the broadcast center
- Remote real-time monitoring
- Low latency broadcast to remote facilities
- Standalone operation - no server required

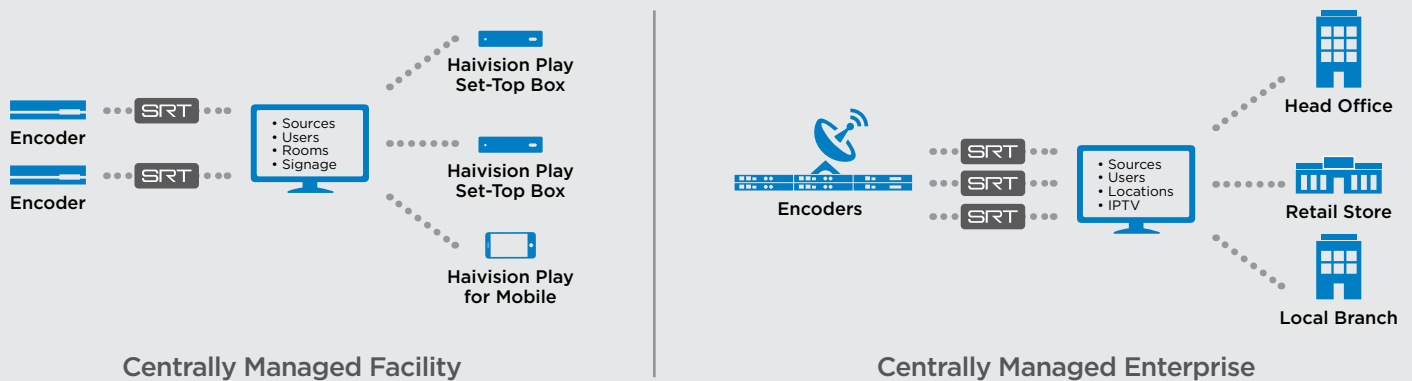
### Centrally Managed Haivision Play Applications:

- Viewing of live channels, lineups, and on-demand content on any screen anywhere
- User authentication with individual and group access control
- Centralized control of set-top boxes
- Multi-stream capabilities

## Haivision Play Standalone Application



## Centrally Managed Haivision Play Applications (via Haivision Media Platform)



	Haivision Play App		Set-Top Box
	for Mobile	for Apple TV	2000
Standalone Operation	•		•
Centrally Managed with Haivision Media Platform			•
<b>WHEN USED IN STANDALONE MODE</b>			
Access independent SRT, HLS, and UDP unicast/multicast streams	•		•
Create local playlists	•		
Tune to a specific stream automatically on power-on start-up			•
Web in addition to on-screen interface for administration setup and configuration			•
Statistics displayable for independent streams	•		
<b>WHEN CENTRALLY MANAGED WITH HAIVISION MEDIA PLATFORM</b>			
View Live & On-demand Content from Haivision Media Platform	•	•	•
Authenticated, encrypted, and tailored access for all individuals and groups controlled by Haivision Media Platform	•	•	•
Centrally managed by Haivision Media Platform (through Device Manager)			•
Contribute live feeds or local content to Haivision Media Platform	•		
Adjustable picture-in-picture viewing experience from Haivision Media Platform	•		
Number of streams displayed simultaneously from Haivision Media Platform	4**	4	1
Download content from Haivision Media Platform for offline viewing	•		
View and jump to Hotmarks as inserted within Haivision Media Platform	•	•	
Display Closed Captioning	•	•	•
Access Haivision Media Platform demo site	•	•	
Local control via IR remote for channel selection and VOD playback		•	•
Support for Layouts to be sent from HMP Manage Devices			•
<b>SUPPORTED STANDARDS</b>			
SRT	•	•	•
Multicast	•	•	•
HLS	•	•	•
H.264	•	•	•
HEVC	•	•	•
HD	•	•	•
4K	•	•	•
Release version as of publication	2.25 iOS 3.1.2 Android	1.1.6	1.2.0

\*\*4 streams displayed simultaneously on iOS, 1 on Android



**Haivision Play for Mobile**

In today’s fast paced business world, employees are often on-the-go. Haivision Play provides users with direct mobile access to SRT video streams or a Haivision Media Platform for live streaming events, IPTV channels and on-demand videos. Users have the flexibility to watch, contribute, and record directly from their mobile device, no matter where their work takes them. In addition, iOS users can upload content from their device’s personal library and download videos for offline viewing. Haivision Play for Mobile is available for free on the Apple App Store and Google Play.

**Haivision Play for Apple TV**

With Haivision Play for Apple TV, users have an easy-to-use and easy-to-deploy option for viewing live and on-demand video content from any TV or monitor within an organization. Haivision Play takes full advantage of Apple TV’s clean design, intuitive user interface and remote to enable easy search and browsing so users can access and watch authenticated, high quality content. The Haivision Play app for Apple TV is available for free on the Apple TV App store.

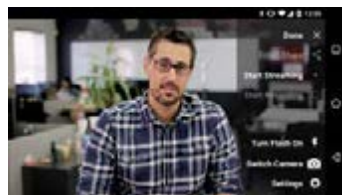
**FEATURES**

**BENEFITS**

<b>Secure, high quality HD video</b>	Enjoy the highest quality, lowest latency, HD video and audio
<b>Access to all HMP content</b>	Watch VOD content, live channels, multi-source sessions
<b>Authentication &amp; Permissions</b>	Authenticated, encrypted, and controlled access for all individuals and groups
<b>Flexible viewing options</b>	Side-by-side, picture-in-picture, and quad screen viewing options (depending on the platform)
<b>Easy content contribution</b>	Users can upload videos from their own device library or stream live directly from their mobile device
<b>Accessibility</b>	IPTV support for North American 608/708 Closed Captioning and alternative language tracks
<b>Watermarking</b>	Protect confidential and copyrighted material with text-based watermarking



Dual Screen View  
Available on iOS & Apple TV



Remote Contribution  
Available on iOS & Android



Quad Screen View  
Available on iOS & Apple TV



Watermarking  
Available on all platforms



Haivision Play offers a series of high-performance video player applications that provide enterprise video users with the flexibility to watch their video content on any screen. Haivision Play is available for mobile devices, managed set-top boxes, and Apple TVs.

### High-quality, Secure HD Video

The Haivision Play Set-Top Box series delivers unsurpassed performance, quality, security and reliability for group viewing of live and on-demand content including webcasts, all-hands events, internal IPTV, research, training and any other video-based enterprise application. The Haivision Set-Top Box can access live SRT streams as well as managed content from the Haivision Media Platform.

**Beautiful Video in HD & 4K** Pristine 4K and full HD video in both stand-alone and via Haivision Media Platform for video-based business and research applications. Moreover, the Play Set-Top Boxes can natively upscale 1080p content to sharp 2160p resolution, providing your organization with video content on 4K displays for ensuring the most pristine quality video, on any connected TV, today and for the future.

**Central Control and Security** When connected to the Haivision Media Platform, all Haivision Play Set-Top Box units can be centrally controlled and easily managed by system administrators to schedule playback, switch channels, set volume, even put STBs to sleep over nights or weekends. Access to all content is protected with AES 128/256-bit encryption along with the Haivision Media Platform’s conditional access permissions, ensuring the right people are seeing what they’re supposed to.

**Easy Integration** The Haivision Play Set-Top Box series is easy to integrate with AV displays in custom-designed rooms of all kinds. All Haivision Play Set-Top Boxes ship with an IR remote control and wall power plug, including even more integrator friendly features such as PoE+ (power over ethernet), 3.5mm IR extender and RS-232. Pre-built templates are readily available for use with Crestron and Harmony remotes to make custom room integrations simple. The Haivision Play Set-Top Box meets all enterprise deployment needs.

### FEATURES

### BENEFITS

<b>Central Management</b>	Controlled by administrators using the Haivision Media Platform
<b>1080p High-definition Video Streaming</b>	Display content at up to 1080p for a high-quality viewing experience, or use the Haivision Play’s internal upscaler for 4K displays
<b>Authentication &amp; Permissions</b>	Authenticated, encrypted, and tailored access for all individuals and groups
<b>AES 128/256-bit Encryption</b>	Guarantees content protection
<b>HDMI 2.0</b>	HDMI out for easy setup of HD live TV playback
<b>Remote Control</b>	Local control via IR remote for channel selection and VOD playback
<b>Network Friendly</b>	Supports multicast and unicast



Haivision Play 2000 Set-Top Box

Haivision Play 2000 Set-Top Box	
<b>VIDEO DECODING</b>	
<b>COMPRESSIONS STANDARDS</b>	
	MPEG-2
	MPEG-4 (H.264)
	HEVC (H.265) (Standalone Mode Only)
<b>DECODING RESOLUTIONS</b>	
	1920x1080p 60/59.94/50/30/29.97/25 Hz
	1920x1080i 60/59.94/50 Hz
	1280x720p 60/59.94/50 Hz
	720x480/576p 60/59.94/50 Hz
	720x480/576i 60/59.94/50 Hz
	1600x1200 60 Hz
	1280x1024 60 Hz
	1280x768 60 Hz
	1024x768 60 Hz
<b>BIT RATES</b>	
	Video bitrates up to 25Mbps with VBR peak up to 50Mbps.
<b>AUDIO DECODING</b>	
<b>COMPRESSION STANDARDS</b>	
	MPEG1 Layer II ISO/IEC 11172-3
	MPEG-2 AAC-LC ISO/IEC 19818-7
	MPEG-4 AAC-LC ISO/IEC 14496-3
	AC3 Pass Through via HDMI
<b>AUDIO CHANNELS</b>	
	2 per video channel
<b>BIT RATES</b>	
	96 kbps to 192 kbps per audio pair
<b>IP NETWORKING</b>	
<b>STANDARDS</b>	
	RJ45
	Ethernet 10/100/1000 Base-T, auto-detect, Half-Full Duplex
	Static IP/DHCP
<b>NETWORKING PROTOCOLS</b>	
	Multicast Streaming
	MPEG Transport Stream over UDP
	FEC and 256-bit AES encryption support
	HLS
	IGMPv3



Haivision Play 2000 Set-Top Box	
<b>MANAGEMENT INTERFACES</b>	
<b>STANDARDS</b>	
	Management via IP using Haivision Media Platform Device Manager
	Local control via Infrared Remote Control and 3.5mm IR extension cable with receiver
<b>SIGNAL OUTPUT</b>	
<b>VIDEO</b>	
	HDMI Digital
<b>AUDIO</b>	
	Unbalanced Stereo Analog
	HDMI Embedded Stereo Digital
<b>PHYSICAL CHARACTERISTICS</b>	
<b>POWER</b>	
PoE	PoE (Type 1) 802.3af
Wall Power	optional, 12V / 1.5A (18 Watts)
<b>DIMENSIONS</b>	
Millimeters	159.9mm x 144.2mm x 22mm
Inches	6.3" x 5.7" x 0.87"
<b>OPERATING TEMPERATURE</b>	
Celcius	Ambient: 0°-70° @ 90% max relative humidity non-condensing
<b>WEIGHT</b>	
Grams	340g
Ounces	12 oz

## Ordering Information\*

Name	SKU	Description
Haivision Play 2000 Set-Top Box	<b>S-PLAY-2000-B</b>	Haivision Play Set-Top Box for Haivision Media Platform or as Stand-Alone Device - 1080p60; H.264/HEVC capable. Single HDMI; Single wired NIC. Includes IR remote control, IR extender, and optional power supply.

\* For complete pricing and ordering, contact us at [sales@haivision.com](mailto:sales@haivision.com) or your certified Haivision reseller.



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**VIDEO AT WORK**

[www.haivision.com](http://www.haivision.com)