Performance Media Player for Desktops, Set-Top Boxes, and Mobile Devices

InStream Furnace offers the most advanced MPEG compliant viewer experience in the industry. The player technology is part of Furnace and Viper systems — Haivision's end-to-end HD H.264 IP video solutions. The InStream IP media player is easy to deploy and manage as it requires no installation on the desktop and supports all modern operating systems and browsers. InStream is 100% secure, supporting the Furnace's end-to-end implementation of AES encryption. InStream supports live and on-demand high definition video with up to 64 viewing panes. InStream is also the native viewer on Haivision's Stingray™ set-top boxes.

InStream Standalone is a Windows-only executable standalone media player that supports full video H.264 resolution up to 1080p60 and low latency, configurable as low as 250 milliseconds. Features include local recording, configurable channel guide (local or server hosted), up to 64 viewing panes, and TalkBack™ to transmit audio from the player directly to the source encoders.

InStream Mobile brings the highest quality, lowest latency HD viewing experience to iPads, iPhones, and Android, taking advantage of transport stream multicast to deliver the highest performance media experience to viewers. InStream Mobile features multiple preset channels, instant channel tune-in/channel change, and gesture-based fast channel changes.

InStream Amino delivers simple and affordable IPTV by combining Haivision's Torpedo™ DVB to IP gateways and Amino AmiNET 140™ series set-top boxes. A freely available firmware developed by Haivision, InStream Amino extracts electronic program guides (EPG) directly from the DVB streams and automatically displays the channel information to viewers, without the need for a traditional middleware server.

Product **Features**   Product **Benefits**

Product Features	Product Benefits
No installation required	Minimal IT support for deployment
Browser independent	Run equally on Windows, MAC, and Linux
End-to-end security	Protect content and control viewership
Forward Error Correction (FEC)	Maintain high quality video on unreliable networks
Full EPG support	Distribute program information for internal and public channels
Up to 64 viewing panes	Monitor multiple channels/broadcasts simultaneously in various layouts
Local recording	Capture live media directly to your desktop when authenticated
TalkBack™	Speak from your desktop to any encoding endpoint
Advanced VoD playback performance	Tight use control for frame and slow motion search
HotMarks™ metadata	Discover points of interest immediately within VoD

Specifications shown for InStream Furnace

FEATURES
Nothing to install or update on desktops
Lightweight, highly optimized for efficiency
Full television-like experience
Launch in user or administrator defined configurations
Supports Live, Playback, or VoD streams
Built-in de-interlacing
Up to 256 bit AES decryption
Forward Error Correction (FEC)
SAP (Secondary Audio Program)
User authentication through VF Conditional Access
Can be launched from any Web page
Configurable decoding latency
"Always on Top" and Frameless Modes
Supports one or all spaces
VoD with full "Trick-Mode"
(play, pause, ff, rew, and full frame accurate forward/backward slow motion)
HotMarks™ metadata within VoD
Time and frame count for VoD playback
Saves user preferences

MINIMUM SYSTEM REQUIREMENTS
SD MPEG-2   Intel Pentium III 500 MHz
SD H.264   Pentium D 2.8 GHz
HD H.264   Intel Core 2 Quad 2.66 GHz

SUPPORTED PLATFORMS
Windows XP, Vista, 7
Mac OS/X
Linux
Sun Solaris 10
Stingray Set-Top Box

VIDEO COMPRESSION
MPEG-1 ISO/IEC 11172
MPEG-2 ISO/IEC 13818-2
    Main Profile @ Main Level
    I, P, B Frame Support
MPEG-4 Part 2 ISO/IEC 14496-2
    Simple Profile
MPEG-4 Part 10 AVC / H.264 ISO/IEC 14496-10
    Main Profile @ Level 4.2
    I, P, B frame support
    Frame and field mode support

VIDEO RESOLUTION
Video Resolutions: CIF to 1080p60 (1920x1080)
Computer Resolutions: 640x480 to 1280x1024

AUDIO COMPRESSION
MPEG-1 Part 3 Layer II ISO/IEC 11172-3
MPEG-2 Part 7 AAC-LC ISO/IEC 13818-7
MPEG-4 Part 3 AAC-LC ISO/IEC 14496-3

NETWORKING
MPEG transport stream over UDP
Unicast and Multicast support

InStream Product Portfolio Information **

InStream Furnace   Secure, multi-stream player, unlimited download on-demand directly from Furnace and Viper MAX systems
InStream Standalone   Performance, multi-stream player, available from Haivision's Download Center
InStream Mobile   Performance player for iOS and Android devices - Available from Apple's App Store and Google Play
InStream Amino   Firmware for Amino Aminet 140 set-top box integrating Torpedo DVB-IP streams and associated EPG data, available from Haivision's Download Center

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