



HD Set-Top Box for the Furnace IPTV Media System

The Stingray™ set-top box is a compact appliance that delivers secure HD video content to displays for Haivision's Furnace™ IPTV media systems. Easy to install, the Stingray set-top box includes central control, VoD with metadata, and desktop synchronization.

Easy Installation & Maintenance

With real-time software updates, the Stingray requires minimal maintenance and makes set-up easy. Settings, selected channel lineups, conditional access rights and electronic program guide data are immediately shared with set-top boxes over the network, with no manual installation needed.

Central Control

Stingrays deployed on a Furnace network can be controlled individually or in groups, either on an ad-hoc or scheduled basis. A group of Stingrays can be set to a particular channel for controlled HD digital signage, controlled locally by viewers using an IR remote, or they can be set to pre-established channels based on a fixed schedule. The Stingray also enables administrator controlled messaging with scrolling text overlays that can be scheduled, triggered ad-hoc, or even integrated with an Emergency Messaging System (EMS).

Live and VOD Content

The Stingray provides a complete management interface for selecting live or playback channels and viewing of VOD assets with HotMarks™ time-based metadata. Administrators can browse media assets quickly with bookmarks, and fast forward and rewind to view content.

Features

Benefits

End-to-end security

Ensure your content is secure from ingest to distribution within the Furnace IPTV ecosystem

Automatic updates

Channel guides, EPG data, VOD content and software are constantly updated via network connection, with minimal maintenance

Central control

Control your content across multiple end-points with one management platform

Compact form factor

Ease of installation with a portable appliance that fits behind any display

Screen synchronization

Create harmonious media experiences by synchronizing your video across desktops, displays and monitors

VIDEO DECODING

Compression Standards:

- MPEG-1
- MPEG-2
- MPEG-4 Part 2
- MPEG-4 Part 10 (H.264)

Video Resolutions:

- 1920x1080p 24/29.97/25 Hz
 - 1920x1080i 60/59.94/50 Hz
 - 1280x720p 60/59.94/50 Hz
 - 720x480/576i 60/59.94/50 Hz
 - 720x480/576p 60/59.94/50 Hz
- (interlaced shown in fields per second)

Computer Resolutions:

- 1280x1024 60 Hz
- 1280x768 85/75/60 Hz
- 1024x768 85/75/60 Hz

Video Bit Rates (bps):

- SD video 1M to 8M
- HD video 1M to 8M
- Computer 1M to 8M
- CIF 1Mbps to 8M

AUDIO DECODING

Compression Standards:

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

Audio Channels:

- 2 per video channel

Bit Rates:

- From 32 to 448 kbps per audio pair

Frequency Response:

- From 20 Hz to 22 kHz

IP NETWORKING

Networking Protocols:

- Unicast Streaming (TCP VF Now for VOD)
- Multicast Streaming
- MPEG Transport Stream over UDP
- FEC and 128-bit AES encryption support

MANAGEMENT INTERFACES

- Management via IP using Furnace Portal Manager (VF Command&Control)
- Configuration via IP using Furnace Portal Manager (VF STB Imager)
- Local control via Infrared Remote Control

Video (Output) :

- Composite NTSC/PAL
- Y, Pb, Pr Component Analog
- HDMI

Audio (Output):

- Unbalanced Stereo Analog Audio
- HDMI Embedded Digital Stereo Audio

Network:

- RJ45
- Ethernet 10/100 Base-T, auto-detect, Half/Full-duplex
- Static IP/DHCP
- 2nd Ethernet Port (RJ45) for LAN Pass-Thru

Remote Control:

- Infrared Remote Included

Dimensions:

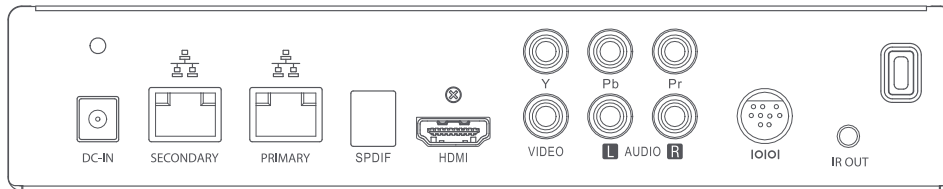
- 44mm H x 205mm W x 200 mm D (1.7"H x 8.07"W x 7.87" D)

Weight:

- 3 lbs.

Power:

- External power supply
- 100/240V 1.4A 60/50Hz input
- 12V 4.16A max.output



Stingray

Stingray Product Portfolio & Ordering Information **

Stingray STB

S-VF-STING

MPEG 1/2/4, H.264 SD, HD & XGA - HDMI, Composite and Component Outputs, dual network ports - InStream viewer, EPG

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