Haivision

Mantaray

HD Set-Top Box for Enterprise IPTV

The Mantaray is a compact set-top box that delivers reliable, secure, high-definition video to displays for the Furnace IPTV media system. The Mantaray leverages Haivision's video streaming experience and the latest off-the-shelf technologies to bring down the cost of IPTV installations.

Flexible Performance for All Types of Content

The Mantaray set-top box delivers a high quality viewing experience with HD content to displays, at up to 1080p. With flexible performance, the Mantaray can display a range of high and low bitrate streams, bringing organizations more choice in the content they send to the display – from higher quality video to digital signage content.

Central Control and Security

Centrally managed, the Mantaray can be easily and efficiently controlled by administrators using the Furnace IPTV media system. Channel change, volume control and decoder reboot are part of the command and control feature set. The Mantaray employs AES 128-bit encryption, guaranteeing content protection.

Local Remote Control

Navigate the electronic program guide and control volume with the included Mantaray remote control.

Features — Benefits

Features	Benefits
1080p High-definition Video Streaming	Display content at up to 1080p for a high-quality viewing experience
Centrally Controlled and Managed	For easier and more efficient system administration
AES 128-bit Encryption	Guarantees content protection
HD/SD, Digital/Analog Outputs	HDMI, component, composite or VGA outputs all from a single device
Supplied Remote Control	Navigate the EPG select channels and control volume

VIDEO DECODING
Compression Standards:
    MPEG-2
    MPEG-4 (H.264)
Video Resolutions:
    1920x1080p 30/29.97/25 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 500k to 20Mbps
    HD video 500k to 20Mbps
    Computer 800k to 9M

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:
    Multicast Streaming
    MPEG Transport Stream over UDP
    FEC and 256-bit AES encryption support

MANAGEMENT INTERFACES
Management via IP using Furnace Portal Server
Local control via Infrared Remote Control
Video (Output) :
    Composite NTSC/PAL Analog
    Y, Pb, Pr Component Analog
    VGA Analog
    HDMI Digital
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
Remote Control:
    Infrared Remote Included
Dimensions:
    39mm H x 161mm W x 131mm D (1.54"H x 6.34"W x 5.16" D)
Weight:
    1 lbs. (450g)
Power:
    12V/3A

Mantaray STB

Mantary Product Portfolio & Ordering Information

Mantaray STB   **S-VF-MANTA**   1080p30 HD, XGA, H.264 SD & MPEG 2/4 - HDMI, Composite, Component and VGA Outputs - InStream viewer, EPG