DISCOVER VIDEO

Overview

Mantis is a live H.264 video streaming and recording appliance. It is ideal for continuous streaming, event broadcasts, and for instant recording.

Input Flexibility

No need for media converters. No worries when plans change. The appliance supports all popular audio/video input types, including HDMI, SDI, DVI, VGA, Component (YPbPr), and composite (CVBS). Audio input may be analog (RCA) or digital (HDMI, SDI).

Industry Standard H264

Live video is converted in real time to industry standard H264 with AAC audio, which is compatible with virtually all modern players, servers, and devices. Mantis allows you to stream live video to systems that support Flash player, HTML5/DASH, and HLS, so you can view on desktops, iPhone, iPad, Android, Roku, Smart TV's, and similar devices.

Great HD Quality

Stream and record live video at rates as low as 1 Mbps and at rates up to 10 Mbps produce great audio/video quality, rivaling encoders costing more than twice the price.

Automatic Configurations

When used with a Discover Video system solution, Mantis supports remote configuration and control. This exclusive feature allows you to plug in the appliance on a private networks, inside firewalls, and configure/control it from the system.

Streaming Protocols

Mantis supports the most important industry standard streaming protocols, including RTMP, RTSP, Transport Stream over UDP (Multicast & Unicast), and HLS. Streaming is fully compatible with Discover Video system solutions, and with 3rd party CDNs. Stream multicast directly to desktop players, view live video on mobile devices, and push live streams to any compatible system.

Encoder
H.264 video with AAC-LC

Quality
Up to High Definition Video

Automatic
Plug and Play simplicity. Connects to DEVOS or Arcus Systems

Benefits
Multiple Video Inputs

- HDMI
- Composite
- Component
- DVI
- VGA
- SDI

Stream and Record

Low Power

Fan-less, quiet operation

Recording

Insert your own memory into the USB port and record video up to the capacity of your device. Mantis can also automatically transfer your recording to a server and optionally delete the recording after transfer.

Scaling

The built-in video scaling feature allows you to scale down the video input to smaller resolutions, allowing lower bit rates to be used for streaming while maintaining video quality.

Network/Management

Configure Mantis for a fixed IP address or use the default DHCP. You can find the Mantis using the DV Finder, then log in and make configuration settings from an easy to use web interface.

Specifications

Input

Video

- 1x BNC for 3G/HD/SD-SDI
- 1xHDMI
- 1x DVI-I for DVI-D/HDMI and DVI-A/VGA

Audio

- 1x RCA for Analog L/R Audio
- SDI/HDMI/DVI-D embedded audio
- 1x 3.5 mm phone jack

Encoding

- H.264/AVC, Main/ High Profile
- Configurable bit rate up to 10Mbps
- Supported input/ output resolutions

    1080@50p/60p (1080p25/30p output)
    1080@50i/ 59.94i/60i
    720p@50p/59.94/60p
    576@50p/480@59.94p
    576@50i/ 480@59.94i

Audio

- AAC-LC
- 32Kbps to 384Kbps
- Sample rate: 48 KHz, 16 bit

Network

- RJ45 10/100 Ethernet
- DHCP Client, Fixed IP

Protocols

- RTMP
- RTSP
- TS UDP/TCP unicast/multicast
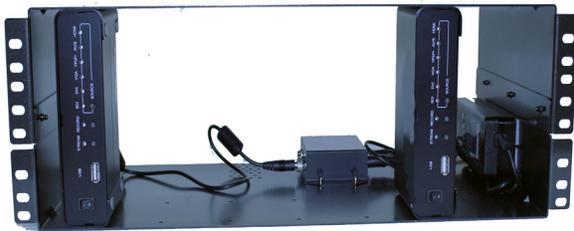- HLS

Record Format

- MP4, TS

Power

- 12V, AC Power Supply Included

Dimension

- 3.25"D x 1.5"H x 6"W

The MANTIS Shelf is a complete system for mounting up to six Discover Video MANTIS encoders in a compact 19" rack. The 8.5" deep, 6" high shelf provides power distribution to each MANTIS encoder so that you require only one AC outlet

For more information visit us on the Web at:

www.Discovervideo.com

Specifications subject to change without notice. Contact Discover Video for latest information.

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