

SAFARI Montage SD/HD Digital Encoders

Use a SAFARI Montage SD or HD Digital Encoder to stream video from any traditional analog or digital source for delivery via IP networks. Virtually any encoder can be used in combination with SAFARI Montage® Selective Video Streaming, although we recommend the SAFARI Montage SD and HD Digital Encoders for many reasons.

NEW! SAFARI MONTAGE SD DIGITAL ENCODER™

The SAFARI Montage SD Digital Encoder is a powerful and ultra-reliable, "out of the box" solution for your entire IP Television, digital signage and digital media encoding and distribution requirements. The unit can encode incoming digital or analog video to an H.264 or MPEG2 network stream at Standard Definition (SD) resolution and stream it over an IP network to any workstations running SAFARI Montage Digital Signage or Classroom Media Controller (CMC).

Unit configuration and control is accessed via a password-protected, embedded web server. The SD Digital Encoder offers flexible, streamlined video input options.

Purchase SD Digital Encoders now and easily and remotely upgrade to HD version

- Compact metal case (small footprint)
- Compatible with the SAFARI Montage Media Player (SMMP), Quicktime® and VLC Media Player
- Low Power Consumption (20W)
- Encodes video bit rates of up to 10 Mbps (MPEG-2) and 8 Mbps (H.264)
- Audio Encoding - MPEG-1 Layer 2 and MPEG-4 ACC
- Video output up to 480i
- Accepts HDMI, Component, VGA, S-Video and Composite inputs

NEW! SAFARI MONTAGE HD DIGITAL ENCODER™

All of the features of the SD Digital Encoder plus:

- Encodes video bit rates of up to 15 Mbps (MPEG-2) and 12 Mbps (H.264)
- Video output up to 1080p (High Definition)
- Upscales SD video for higher quality viewing on HD displays

SAFARI Montage SD and HD Digital Encoders Front



Back



Stand Alone

SAFARI Montage SD/HD Digital Encoders

Models: SAF10845HB (SD) / SAF10845HD (HD)

SAFARI Montage Digital Encoders have unique multiformat input circuitry that allows users to input content in a wide variety of video and PC formats, HDMI; YPbPr (component video); S-Video and CVBS (composite video) as well as RGBHV (component video). In addition, the encoders have an onboard rendering engine, providing the ability to upscale SD inputs to HD resolutions.

SAFARI Montage Digital Encoders can operate reliably on their own with configuration and stream setup from front panel controls and LCD status display or through the unit's browser-based configuration pages.

The **SD/HD Standalone Encoder** unit is housed in a free-standing metal box. The unit has IP network/RS232/USB control interfaces and is built around an ultra-reliable dual-core engine running under Linux.

Specifications

Communications and Control

Network

- Ethernet 10/100 Base T. RJ-45 modular jack with integrated LEDs.

Mode of Operation

- Stand Alone

IP Setup and Control

- Configuration via On-Board Browser/Remote status monitoring information.
- IP/RS232 control protocol to operate with 3rd party Touch Panel Controllers.

RS232

- Serial port, up to 115200 baud for input source device control via IP network.

Software Updates

- Latest software can be loaded either through an IP connection to an HTTP server or by inserting a USB key.

Supported Operating Systems

PC

Microsoft Windows XP Service Pack 3, Windows Vista®, Windows 7 (480i - 1080i)

Mac

OS X v10.4 - 10.5 (480i - 720p)
OS X v10.6 (480i-1080i)

Video Encoding

- H.264 Main profile @ Level 4
- Supported bit rates SD to 8 Mbps, HD to 12 Mbps
- MPEG-2 Main profile @ High level
- Supported bit rates SD to 10 Mbps, HD to 15 Mbps
- Unicast or multicast transport streams
- Constant and variable bitrate encoding

Audio Encoding

- MPEG-1 Layer 2
- MPEG-4 AAC LC

Video Inputs

HDMI 1.3 Digital

- 480i/576i to 1080P60

YPbPr

- 480i/576i to 1080P60

VGA

- 640 x 480 to WUXGA
920 x 1200 (rb)

S-Video

- PAL/NTSC/SECAM

CVBS

- PAL/NTSC/SECAM

The **SD/HD Rack-Mount Encoder** unit is a 'hot swappable' blade that is used in conjunction with the SAFARI Montage Encoder Chassis. The Blade has IP network/RS232/USB control interfaces and is built around an ultra-reliable dual-core engine running under Linux.

With a maintenance-free operation, small physical size and low power consumption, the SAFARI Montage Digital Encoders are ideally suited for both large-scale distributed applications or simple single-unit deployments.

Included with each SAFARI Montage Digital Encoder:

SAFARI Montage Digital Encoder; Installation and User's Guide; RJ45 Cat-5 blue patch cable; 1.5 m YPbPr component video cable; 2 m SVGA cable (15 way HDD plugs); 1.2 m 3.5 mm jack 2 x phone cable; 1 m 1.36 HDMI cable

Audio inputs

- HDMI digital stereo audio
- Analogue stereo audio, line Configuration via On-Board level - 3.5 mm jack

Standalone Encoder

Power: 100-240VAC, 47-63 Hz, 0.3-0.15 A, 20 W

Weight: 1.330 Kg

Dimensions: 190 x 44 x 210 mm

Environmental: 32 - 104° F (0 - 40° C)

Approvals: FCC Part 15, CE, CB

Rack-Mount Encoder

Power: 18 Watts (from Chassis)

Weight: 510 g

Dimensions: 225 x 130 x 41 mm

Environmental: 32 - 104° F (0 - 40° C)

Approvals: FCC Part 15, CE, CB

Capacity: 9 encoder blades