MediaCAST

MEDIAENCODER™

- ENCODE
- LIVE BROADCAST
- CONVERT

MEDIAENCODER BENEFITS

- Standardize digital content for universal access
- Deliver audio/video in the latest IP optimized formats
- Make digital TV channels available on every desktop and laptop
- Live broadcast for instruction, training, meetings, presentations
- Enable capture/conversion of traditional content
- Capture staff development, training, and board meetings for on-demand viewing
- Broadcast sporting events and graduations to the community
- Enable Internet radio, MP3 audio, podcasts, Webcasts

MediaEncoder is a high-performance hardware encoder specially designed to convert audio/video into streaming digital formats

MediaEncoder comes in a variety of form-factors, allowing traditional A/V sources to be captured, converted and streamed over IP networks.

MediaEncoder can produce the full range of video qualities including HD, and it can be configured to support the latest Windows Media, Flash, Quicktime, Real and MPEG1, 2, 4 and H.264 formats.

MediaEncoders can be placed at locations on an organization's LAN/WAN and at remote sites. They can be rack-mounted or put in a mobile cart and connected directly to a video source, such as a camera, videoconferencing station or incoming cable/satellite feed.

Files can be uploaded to the MediaCAST library for on-demand viewing. Live broadcasts can be set up and made fully searchable. They can be webcast from MediaCAST or linked to Blackboard, WebCT, Moodle or eCollege courses using the External URL Builder™.

WebControl and Schedule Software

MediaCAST WebControl and Scheduling™ software for managing and scheduling of MediaEncoders over the Web allows multiple jobs to be set up in advance, along with start and stop dates and times.

A calendar view shows which devices are available on a particular day, for a given time slot, and which ones are currently in use. WebControl and Scheduling is designed to be flexible, supporting different versions of encoding hardware, which provides a safeguard against obsolescence and support for new technologies as they evolve over time.

MediaEncoder includes predefined templates so it is easy for nontechnical personnel to be successful, without having to know the minutiae about bitrates, bandwidth and video resolution. For the technically savvy, preference settings can be accessed and modified for customization.

Desktop Encoder allows traditional A/V sources to be captured, converted and streamed over IP networks. It can encode the full range of video qualities, including HD, and can be configured to support the latest streaming formats including Windows Media, Flash, Quicktime, Real and MPEG1, MPEG2, and MPEG4/H.264 formats. Built-in DVD burners and USB ports make it easy to ingest content or archive files.

MediaBroadcaster™ Single, dual and quad-channel models are available in a 1U, rack-mount form-factor with 72-300GB of storage. Configurations are available for redundant, hot-swappable drives and power for your mission-critical applications. Options for live broadcasting Windows Media, Flash, Quicktime, Real and MPEG 1, 2, 4 and H.264 formats.
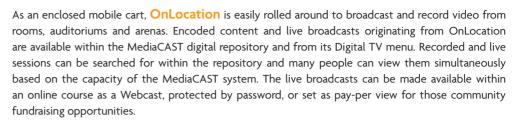
MediaCreator™ is a stationary content conversion workstation, ideally suited for a media center where library materials need to be converted to a digital format. It easily converts VHS tapes, DVDs and optionally audiocassettes into digital streaming format. The locking cabinet includes a rack-mounted MediaEncoder with dual-layer DVD burner, S-VHS VCR/DVD recorder, flat panel monitor, built-in speakers and pull-out keyboard.

As an enclosed mobile cart, **OnLocation** is easily rolled around to broadcast and record video from rooms, auditoriums and arenas. Encoded content and live broadcasts originating from OnLocation are available within the MediaCAST digital repository and from its Digital TV menu. Recorded and live sessions can be searched for within the repository and many people can view them simultaneously based on the capacity of the MediaCAST system. The live broadcasts can be made available within an online course as a Webcast, protected by password, or set as pay-per view for those community fundraising opportunities.

OnLocation is configured to convert traditional analog media into one or more digital formats. The digital streaming formats are industry-standard and optimized for IP streaming over the network and Internet. It will convert media including CDs, VHS tapes, DVDs, as well as from other video sources including camcorders. Its software allows conversion of video files that are in traditional electronic formats into the latest streaming formats for network delivery.

Rack-mount hardware encoder, VHS/DVD deck, and storage drawer all come standard. Optional wireless microphones and camcorder are available, as are configurations for Windows Media, Flash, H.264, Mpeg 1, 2, 4, Quicktime and Real formats.

OnLocation HD is a new edition to the OnLocation family and provides high-definition encoding, capture and live broadcasting. OnLocation HD has all of the features of OnLocation with the added benefits of high-definition video quality for recording and broadcasting. Supports Windows Media, Flash and H.264 high definition encoding and live broadcasting. Includes rack-mount HD encoder, Blu-Ray player, and storage drawer.

Optional wireless microphones and HD camcorder are available.

OnLocation Producer cart is a mobile studio used to perform live, on-the-fly, broadcasting and editing for professional video productions. Includes video switching between camera source and stored media, live transitions, special effects and chroma key capabilities. Built-in teleprompter features make it easy to perform from written scripts. As well as added production quality and features, OnLocation Producer provides a means to convert media to digital copy. OnLocation Producer is an excellent addition to encourage creativity and provide a realistic environment for presentations, journalism classes, and assorted events. Includes standard OnLocation equipment plus dual 22" LCDs, green screen/stand, wireless mics, lighting equipment, camera with dolly and accessories.

OnLocation Producer Multi-Camera the same features as OnLocation Producer and provides for up to four camera sources with software switching to enhance video production.