



Envivio Mindshare Composer

Broadcast, Record and Communicate More Effectively

Solution for Live Webcasting and Production of Rich MPEG-4 Presentation Files

The Envivio® Mindshare™ webcasting solution enables enterprises to broadcast and archive presentations consisting of a high quality video stream and a VGA capture for corporate presentations, e-learning, video conference broadcast, and training applications. Mindshare's simple, one-button functionality is complemented by a management web interface that allows configuration of all encoding, broadcast, and archiving functionality including chaptering, editing and settings for encoding bit rates and frame rates. Live broadcasts are immediately available on demand as single MP4 files that consist of a compelling, rich, interactive experience. No other product on the market can offer the scalability offered by multicasting both the video and VGA, the high frame rate VGA capture, frame-accurate synchronization and the single-file, interactive experience.

Applications

The Mindshare webcasting solution is suitable for a wide variety of training, presentation, and archiving applications. **Universities** make use of Mindshare's multicast capability to stream courses live and then make them available on demand. **Enterprises and Government institutions** make use of Mindshare's scalable architecture to reach large audiences with tightly synchronized, high quality video presentations over heterogeneous networks. **Usability laboratories** make use of Mindshare's VGA ingest to capture user interaction. **Retail establishments** make use of Mindshare's chaptering and rich interactivity to create training material. Finally, Mindshare integrates with third party products to enable a portal experience with conditional access, branding, asset management, and scheduling capabilities.

Envivio InsiteTV Integration

Because the output from Mindshare is open standard MPEG-4, these streams can also be incorporated with the Envivio InsiteTV™ solution where they appear as live channels or on-demand content on a PC portal. For larger installations, including multiple Mindshare stations, the InsiteTV solution allows a user-friendly interface to access content.

Solution Highlights

- Ultra low end-to-end latencies (<1 second)
- Capture any VGA device, including white boards, visualizers or computer screens
- Perfect synchronization
- VoD publication with trick play, chaptering, and editing
- Capture VGA resolutions up to 1600x1200 at 5-20 frames/second
- Single MP4 file allows easy distribution of content
- Scalable to thousands of viewers via multicast
- Playback on multiple platforms, including PCs and Macs
- Simple one-button functionality
- Customizable via a web interface
- Portable plug and play system

Features

- Multicast, unicast and multicast with unicast fail-over modes
- High frame rate VGA capture with frame-accurate synchronization
- Post-productions chaptering and editing via a web interface
- Complete control of encoders, network distribution, and branding
- XML/HTTP interface for 3rd party integration
- Simple to use interface to publish VoD assets
- Integrated video server enables stream reflection and VoD
- Playback using Java applet; no plug-ins required
- Advanced control through local scripts



Envivio Mindshare Composer

Mindshare Composer-Rack

High Performance & Rack mountable
for high frame rate VGA capture with
installation in adjacent A/V rooms



Mindshare 4

Quiet and Portable
for applications where quiet portability is
more important than performance

Inputs

Video Capture

S-Video and composite connectors
Up to 640x480 resolution
Up to 30 frames/sec

S-Video and composite connector
Up to 320x240 resolution
Up to 30 frames/sec

Audio Capture

Analog unbalanced (RCA) connector, stereo
Up to 44.1 kHz sampling

Screen Capture

DB-15, female VGA connector
Up to Native 1600x1200 (UXGA) resolution
4:3 and 16:9 aspect ratios
Up to 30 fps at 800x600 capture
Up to 20 fps at 1024x768 capture
Up to 10 fps at 1600x1200 capture

Up to Native 1024x768 (XGA) resolution
4:3 and 16:9 aspect ratios
Up to 5 fps at native 1024x768 capture

Outputs

Bitrate

Bit rate from 56 kbps to 5 Mbps total

Format

MPEG-4 H.264/AVC, ASP video, AAC audio and Advanced2D MPEG-4 Systems

Protocols

RTSP Streaming, H.264/AVC/MPEG-4 Video, AAC. Audio. Unicast, Multicast capable

Latency

Live end-to-end delay from 700 ms

Ethernet IP

1 x 10/100/1000 BaseT Ethernet

1 x 10/100 BaseT Ethernet

Storage

144 GB (usable storage)
SCSI RAID 5, 5x36 GB, Hot Swappable

70 GB, IDE

Simultaneous Connections

With Built-in Server

Up to 10 simultaneous in unicast
Unlimited in live multicast

Up to 5 simultaneous in unicast
Unlimited in live multicast

With 4Sight External Servers or CDN

Unlimited

Control

Web Interface

XML/HTTP API for integration with 3rd party control systems

VCR controls on front panel

Physical and Power

2RU 25" Rack Mount
430 mm (W) x 648 mm (D) x 89 mm (H)
16.9" (W) x 25.5" (D) x 3.5" (H)
Weight: 23 kg (50 lb)
Power in: 100-240 VAC auto-ranging
Power consumption: 200 W max
DVD-RW

Portable Appliance
369 mm (W) x 267 mm (D) x 115 mm (H)
14.5" (W) x 10.5" (D) x 4.5" (H)
Weight: 6 kg (13 lb)
Power in: 100-240 VAC auto-ranging
Power consumption: 120 W max

CD/DVD Drive

CD, Documentation, A/V and VGA cables included

Environmental Conditions

Ambient temperature: Operating: 5 to 35° C (41 to 95° F),
non-operating/storage: -40 to 70° C (-40 to 158° F)
Operating humidity: 8 to 80% (relative)

Playback

PC: Windows QuickTime, Windows Media Player, or ActiveX plug-in, Java applet player for Internet Explorer or Firefox
Mac: QuickTime plug-in

Requirements

PIII 1.0GHz or above, 16MB VRAM
Mac: Mac OS X, G4 1.0GHz or above

Management/ Portal/CDN

Available via 3rd party integration

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