



## 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, eLearning, 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 video conferencing ingest capability to capture, broadcast and archive video conferences. **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 either a PC portal or IPTV set-top box. 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 sec)
- 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 1200x1600 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, Macs, and STBs
- Simple one-button functionality
- Ingest from video conferencing endpoints and MCUs
- Customizable via a web interface
- Portable plug and play system

### Features

- Multicast and Unicast capable
- 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 interface for 3rd party integration
- Simple to use interface to publish VoD assets
- Integrated video server enables stream reflection and VoD

# envivio®



## Envivio Mindshare Composer

### Mindshare Composer-Rack

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



### Mindshare Composer-Lite

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

## Inputs

### Video Capture

S-Video and composite connector  
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 balanced (XLR) connector, stereo  
Analog unbalanced (RCA) connector, stereo  
Up to 44.1 kHz sampling

### Screen Capture

DB-15, female VGA connector  
Up to Native 1600x1200 (UXGA) res  
4x3 and 16x9 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) res  
4x3 and 16x9 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

ISMA Streaming, H.323 (with H.261, H.263, H.263+, G.711, G.722), H.239 separate data stream, 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

40 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  
HTTP API for integration with 3<sup>rd</sup> party control systems

VCR controls on front panel,  
web interface  
HTTP API for integration with 3<sup>rd</sup> party control systems

## 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  
322 mm (W) x 254 mm (D) x 68.58 mm (H)  
12.7" (W) x 10" (D) x 2.7" (H)  
Weight: 5 kg (11 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 Requirements

PC: Windows (QuickTime, Windows Media Player, or ActiveX),  
PIII 1.0GHz or above, 16MB VRAM  
Mac: Mac OS X, G4 1.0GHz or above

## CDN Support

### Internal Networks

Cisco ACNS

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