



DVI-Based Video
and Audio Recorder
Re/Vue™ MG1

Re/Vue is a video recording product that fulfills the specific capture, compression, and data archive requirements found in ATC, training and simulation, and command and control environments. It consists of video and audio recording hardware, supporting driver, and control software.

- Lossless recording and compression with local data storage and remote archiving
- Records 60 frames/second at resolutions up to 2048 × 2048 and 2560 × 1600
- Compression ratios of up to 30,000:1 for typical ATC data
- Playback on any Linux- or Windows-based system
- Platform and graphics card independent



Lossless Recording and Compression

Video recorders record data with varying levels of quality. Many use compression algorithms like JPEG, MPEG and H.264. While these lossy compression algorithms are fine for some surveillance applications, their compression artifacts cause video playback quality to suffer. Only the Re/Vue MG1's lossless video recording with synchronized audio guarantees that playback data quality will be identical to the original source data. Even at a resolution of 2048 × 2048, the Re/Vue MG1 can record a full 60 fps. Furthermore, it can securely stream a live recording in near real time to any system on the network with the Re/Vue playback utility installed.

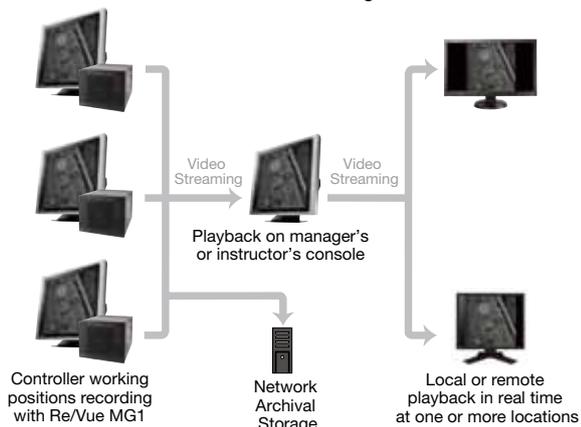
Minimized Data Storage

Until now, lossless recording of ATC video created a huge amount of data. Depending on configuration parameters and video data type, the Re/Vue MG1 delivers lossless recording with extremely high compression ratios of 8,000:1 to 20,000:1 for typical ATC data. Whereas, traditional video recorders typically only offer a compression ratio of up to 300:1, the Re/Vue MG1's compression efficiency significantly minimizes data storage. This allows approximately 30 – 45 days of storage per terabyte.

Configurable Archival

Capturing and recording screen images and audio doesn't mean much if the data can't be properly archived and immediately accessed locally or remotely. The Re/Vue MG1 not only offers local storage but also provides the ability to remotely archive recorded data. Remote archival can be configured to take advantage of existing storage servers on the network and an archival schedule can be easily configured using the web-based interface. This offers convenient retrieval of data from any remote machine on the network for review of any incident for investigative or training purposes.

Local and Remote Video Streaming with Re/Vue MG1



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Playback Utility

Of prime importance in mission-critical applications is the ability to record screen events as they happen so data from any incident can be searched, retrieved, and distributed for investigative or training purposes. The Re/Vue MG1's playback utility supports playback on any Linux- or Windows-based system. The playback utility offers enhanced features such as pan and zoom that can be used to help compensate for resolution differences. This is particularly useful if playback is at a lower resolution than the original recording.



Recorded files can be played back on any Linux or Windows workstation and can be panned, zoomed, etc.

Platform and Graphics Card Independence

Recording solutions typically require a very specific operating system, drivers, and application software. Some even require recording and playback to occur on the same computer. The Re/Vue MG1's video recording system, however, is platform and graphics card independent, so even if recording is done on one computer, playback can be easily viewed on any Linux- or Windows- based computer.

Centralized Control

The Re/Vue MG1 has a web-based "Dashboard" interface that can be controlled from any machine on the network. It also offers administrators the ability to manage and control single or multiple Re/Vue systems through a password-protected web-based browser.

Re/Vue MG1 offers administrators centralized control of one or more Re/Vue systems via a password-protected web browser.

About EIZO

EIZO manufactures a complete lineup of visual display and recording solutions for ATC environments. The company's products include primary control monitors, high-bright monitors, auxiliary and touchscreen monitors, graphics boards, and hardware/software recording solutions. Founded in 1968, EIZO is listed on the first section of the Tokyo Stock Exchange (TSE: 6737) and represented in more than 60 countries.

Specifications

Video Compression Ratio (Based on typical ATC data)	8,000:1 to 30,000:1*
Supported Resolutions	1280 × 1024, 1600 × 1200, 1920 × 1200, 2560 × 1440, 2560 × 1600, 2048 × 2048
Maximum Video Resolution	4MP – 2048 × 2048 dual link DVI
Maximum Frames Per Second	85 Hz for most resolutions (60 Hz for 2048 × 2048)
Video Connectors	Dual link DVI-D input and output with full EDID/DDC support (also supports single link)
Audio Connectors	2.5 mm (3/32") stereo
Audio Format	MP3 standard – two channel up to 48 KHz sample frequency
Power Consumption	65 watts (typical)
Dimensions (W × H × D)	222 mm × 176 mm × 276 mm 8.7" × 6.9" × 10.9"
Net Weight	5 kg / 11 lbs
Ethernet	1 GbE
Hardware Warranty	2 years

*Compression ratios over 20,000:1 are possible with frame skip enabled.



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