

DelayServer™ 1-8ch HD-SDI

Broadcast Quality In/Out SDI to SDI Time Delay System for multiple studio quality streams. Can time delay up to eight SDI streams at the same time, for seconds to up to seven days. One input can have multiple outputs with different time delays. Supports up to 5 TB SSD of storage. Larger SSD's available. Managed by remote GUI with easy to use interface.



Features

- Inputs: HD-SDI or SD-SDI (10 bit HD & 10 bit SD)
- Outputs: Multiple delayed simultaneous SDI streams
- Frame Accurate Delay
- Capable of pulling the source streams over SDI
- Supports shuttling to any point in time
- Supports up to 5 TB of storage for time delay
- Over 7 days of programming, depending on stream resolutions
- Can store and forward (perform time delay) up to 8 independent HD-SDI streams at the same time
- Supports multiple outputs at different time delays per single input
- Accurate to the second on multi-hour delays
- Simultaneously reads and writes with “on the fly” adjustment of delay time
- Supported Resolutions: 1080i, 720p, 480i
- Audio support: Up to 8 tracks
- Settings are remembered when power cycled
- Browser based GUI
- Relies on Intel® Xeon® processor
- Time calibration via NTP
- First In First Out recorder – deletes files when the recording media is full unless required for storage purpose
- Simultaneous recording of content for long term use / archive use
- Inserts or overlays graphical ads, logos, graphics, video clips, scrolling text and emergency alerts into recorded streams

Overview

HD-SDI is the most popular infrastructure within most modern production studios in the world. It is tried and true and does not create generational losses. Since many IRD's output HD-SDI it is cost effective to process content as it arrives.

Time delay of uncompressed content is very attractive when the content is coming from a totally different time zone. In such cases, programming created for morning or evening showing is going to attract more interest when shown at the correct time.

The DelayServer™ 1-8ch HD-SDI delays up to 8 HD-SDI streams and plays them back after a delay that is finely adjustable from seconds to days. Capture and playback can be simultaneous on multiple streams.

Interestingly the delay time can be adjusted “on the fly” by the user.

Applications

- Accurate time delay for broadcasting across multiple time zones
- Over 30 days of Back Up and playback of all channels for Network Operations (N.B. at low rates and disk dependent)
- Lip sync delay
- Audio profanity delay
- Content Synchronization



Computer Modules, Inc.

11409 West Bernardo Court

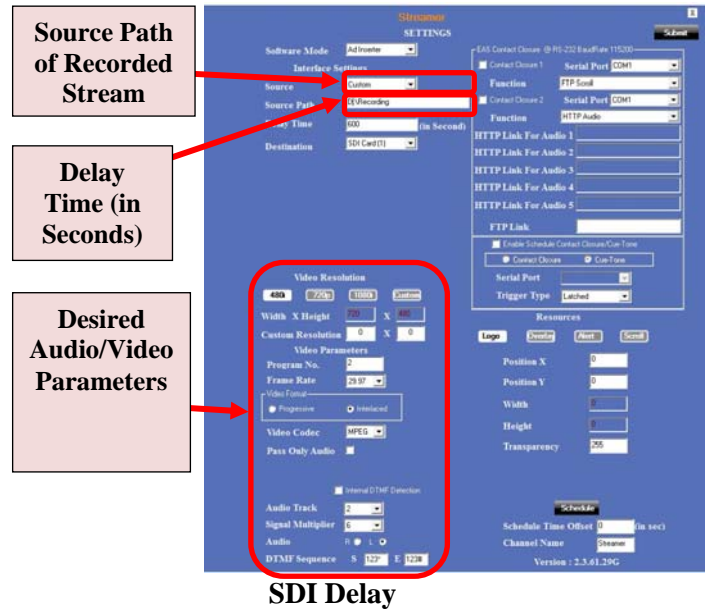
San Diego, CA 92127

Tel: 858-613-1818 Fax: 858-613-1815

www.dveo.com



SDI Recorder Main GUI



SDI Delay

Specifications

Delays from 30 seconds to 7 days

Supported Resolutions – Input and Output

| | | |
|-------------|-----------|-----------|
| 1920 x 1080 | 720 x 480 | 480 x 480 |
| 1280 x 720 | 704 x 480 | 480 x 320 |
| 720 x 576 | 640 x 480 | 320 x 240 |

Also supports any custom resolution not listed here.

SDI Input/Output

| | |
|------------------|--|
| SDI Input/Output | HD-SDI, SD-SDI-10bit HD and 10-bit SD SMPTE 259M and 292M; 270Mb/s and 1.5 Gb/s |
|------------------|--|

CPU and Operating System

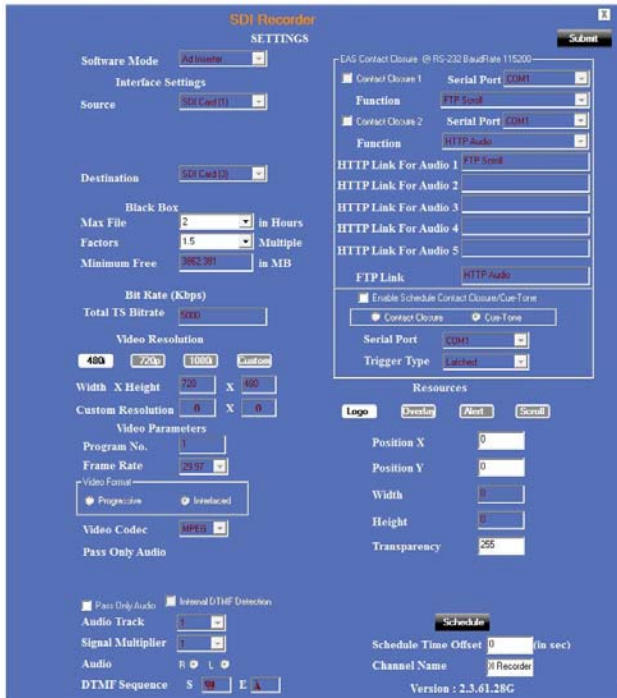
| | |
|---------|---|
| CPU: | Depending on Configuration Single or Dual Intel® Multi 14 Core Xeon® |
| OS: | Windows® 7 Professional 64 bit |
| Memory: | 32 GB or 64 GB |
| Media: | 1 TB X 2 or 2 TB X 2 as required. Option for up to 5 TB. |

Physical & Power

| | |
|-------------------------|--|
| Size – 3 RU high: | 19 x 5.25 x 25.2 inches (W x H x D) 48.26 x 13.34 x 64 cm (W x H x D) |
| Power Supply: | 3U 500~600W – Redundant 2U Mini Redundant 300~650W |
| Temperature Range: | Operating: 0°C ~ +50°C on Full Load Storage & Shipping: -20°C ~ +70°C |
| Non-operating Humidity: | 5% to 95% non-condensing |
| Weight: | 39 lbs. (17.69 kg) |
| Conformities: | UL, BSMI, CSA, FCC, CE, RoHS |



Note: Pictures shown are typical configurations. Exact product configuration will depend on number of channels and other requirements.



Data Field Settings

Ordering Information

DelayServer 1-8ch HD-SDI – Standard system with 2 TB Storage
 DelayServer 1-8ch HD-SDI/1 TB – Optional 5 TB SSD Storage



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