TIME DELAY TOOL

NDelay™ is a versatile tool designed by NVerzion to optimize on-air programming delays, including censorship. Available in single or dual channel configurations, SD or HD time-delay system, broadcasters can automatically create programming delays, ranging from a few seconds to hours, all while simultaneously recording content.

As part of an end-to-end file-based workflow, NDelay maximizes operational efficiencies and cost savings for broadcasters while ensuring a superior quality of experience for viewers. NDelay is the ideal solution for broadcast, education, government, and corporate markets. NDelay supports start and stop functions for Rocky Mountain minute situations.

Dual NDelay Configuration

Benefits

• Flexible, cost-effective, and reliable solution for addressing variable programming delays

• Can easily be integrated into an existing file-based workflow to increase an operator's efficiencies, while reducing capital and operational expenses

Features:

• Supports fixed time delay and/or manual delayed playout of SD or HD content for increased flexibility

• User-friendly graphical user interface simplifies setup of time delays

• Single-frame precision ensures a seamless on-air broadcast

• Supports uncompressed or MPEG encoded content, content can be delayed for as little as a single frame up to several hours

• Hardware and software-based system features a robust 3 rackmount PC

• Supports both NTSC and PAL television standards

VIDEO SERVER SPECIFICATIONS

VIDEO

- Max # SD / HD Video Channels per Server
  - Up to 2 channels
- Inputs/Outputs
  - 75 Ω SD-SDI (SMPTE 259M) and HD-SDI (SMPTE 292M)
- SD Format Support
  - 525/29.97 NTSC, 625/25 PAL
- HD Format Support
  - 720p 50, 720p 59.94, 720p 60, 1080p 25, 1080PsF 29.97, 1080PsF 30, 1080p 30, 1080i 50, 1080i 59.94
- Codecs
  - SD-MPEG2 and HD-MPEG 2
- SD/HD Scaling
  - Up and down conversion to selected output
- Cross Conversion
  - 720p to 1080i (including full screen and pillar box). 1080i to 720p, and configurable cropping on video capture or video playback
- Digital File Support
  - Transport

AUDIO

- Embedded Audio Channels
  - 16 channels per input and output, embedded in SD and HD
- Audio Sampling
  - Television standard sample rate of 48 kHz at 24 bit
- Codecs
  - Uncompressed PCM Audio, Advanced Audio Coding (AAC), MPEG Audio

REFERENCE

- Sync Input
  - Blackburst in SD, 720p 50, 720p 59.94, 1080i 50, and 1080i 59.94 formats or Tri-Sync in HD format

ANCILLARY DATA

- VANC
  - VANC triggers, capture and playback in the AFD standard using up to 3 lines of video in file - HD RP188
- Closed Captioning
  - EIA-608/708 and CEA- 608/708

STORAGE

- Local Storage
  - Standard 4 TB SATA Performance Hardware

MISCELLANEOUS

- CPU
  - Intel® i7 Six Core
- Power
  - Dual low profile redundant power supply, 650W
- Cooling
  - Redundant fans
- Network
  - Triple GigE NICs
- RAM
  - 32 GB DDR4 2400 Mhz un-buffered DIMM
- Internal Operating System Drive
  - 250 GB M.2 onboard drive
- Operating System
  - Microsoft Windows®10 Pro 64-Bit
- Dimensions
  - 5.25" H X 17.5" W X 27.5" D
- Weight
  - 70 lbs (default configuration)