

VEAS TSi AD SERVER



Multichannel Ad insertion Server

In this new digital era, all video networks deliver data via streaming equipment, **VEAS TSi** is a suite designed for Digital Program Insertion with **SCTE30**.

A powerful player engine allows a single Ad Server to insert multiple Transport Streams into different Splicers at the same time, up to **96 channels**.

Based on **SCTE30** standard, **VEAS TSi** can be interfaced with any Splicer in the market, connecting each channel to the desired hardware.

Seamlessly integrate Analog (**DTMF**) or Digital (**SCTE35**) cue tones to completely automate Ad Insertion.

Flexible and scalable platform with a complete suite of applications to Manage and Distribute content, Monitor Channels, and Report Commercial Insertions.



MANAGE

Manage multiple channels, multiple splicers and ad servers and define your network.

DISTRIBUTE

Automatically distribute content and digital tones to different cities.

AD INSERTION

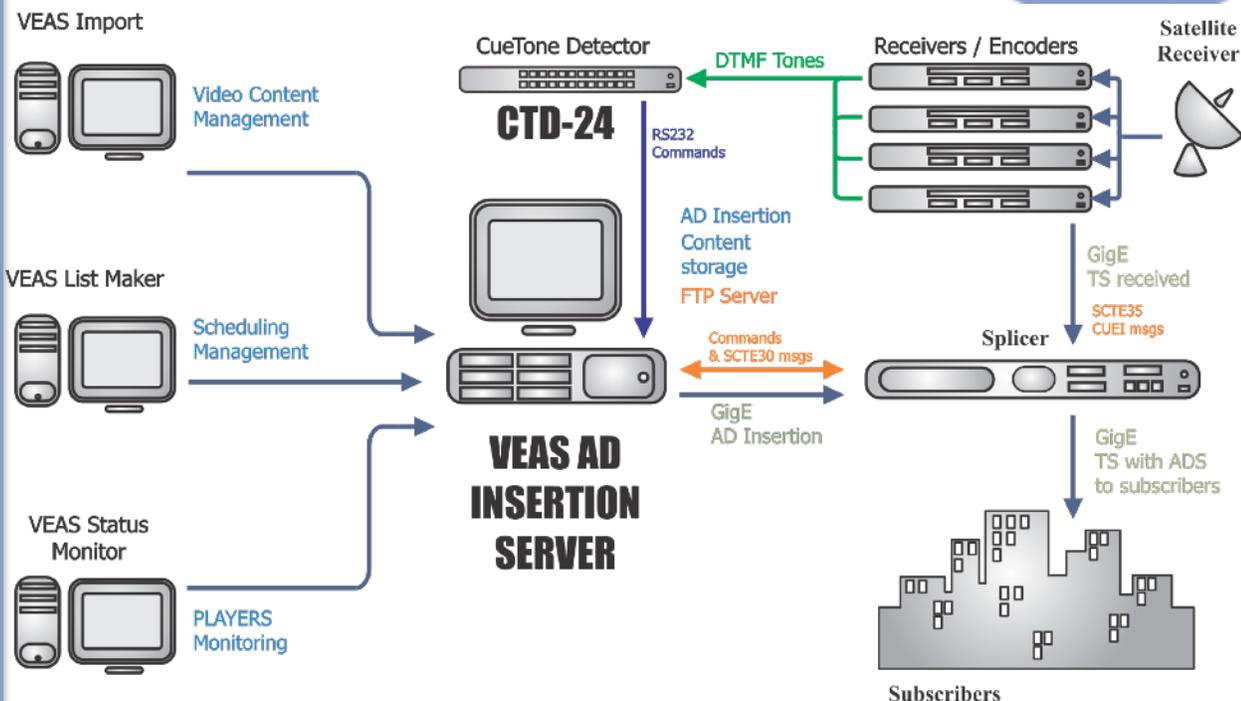
Automated Ad Insertion with timed schedule, DTMF or Digital cue tones.

MONITOR

At a glance status of each channel, its connection and playback info.

ANALYSIS

Reports for easy analysis of security issues, air log, and ad insertion report.



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VLM - VEAS LIST MAKER

To fully automate Ad Insertion a tool for the creation and management of playlists is required, **Veas List Maker** is a powerful, fast and simple interface with easy weekly programming grid for multiple city and channels. Manual scheduling for Veas TSI, capable of managing all your playlist edition needs with a simple click.

FEATURES

- Fully integrated with VeasTSI Server storage, channels and cities network.
- Weekly programming grid for easy day by day playlist edition.
- Copy and paste tools within days (columns).
- Fast and simple video library with drag and drop into playlists.
- Easily see video duration and other information.
- Define blocks in each playlist with time usage, allowing a better distribution of Ads.
- Block editor with drag and drop for video steps.
- Manage all the cities in that storage.
- Manage all the channels in the selected city.
- Create templates to copy the same grid to different channels and/or cities.
- Keep a local copy of all lists for safekeeping.
- Check for Missing files in disk.
- Check and repair lists for deleted files.
- Block status to know if block is empty, modified, uploaded or with errors.
- Create Blocks from CUE Tone report from CTD24 Detector.
- Auto size to support multiple resolutions.



SCHEDULING SCREEN

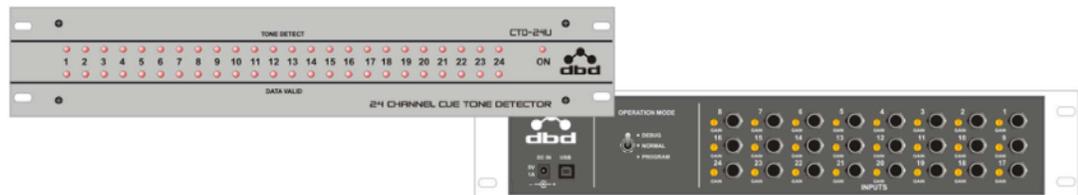
CTD24 - 24 CH ANALOG CUE TONE DETECTOR

DBD CTD 24-U is an analog 24 channel cue tone detector designed to be used with ad servers to automate splicing and ad insertion.

Software based configuration allows any channel to be set to a specific DTMF code.

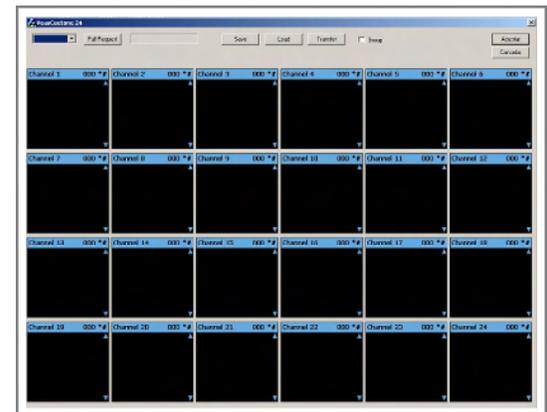
FEATURES

- 24 Balanced Audio Inputs (1/4" Jack Connection). Independent gain adjustment for each audio input.
- 2 Led indicators per channel, one to monitor detection and the other to acknowledge valid tone.
- Included software for easy configuration and monitoring.
- USB Connection for control and DTMF distribution.
- Debug mode for DTMF discovery, log and analysis.
- Program mode for DTMF setup and initialization.
- Normal mode for DTMF detection.
- Compatible with CUE Master centralized CUE tone detector and distribution software.



SPECIFICATIONS

- Input level adjustment 30mVPP to 4VPP Noise Masking -12dB bellow
- DTMF tone DTMF Pulse and space 40/50ms
- Capture Range 30dB
- Power Supply 5V DC 1AMP external
- 24 Balanced Audio Jack.
- 2U rack-mount unit.



CONFIGURATION SCREEN

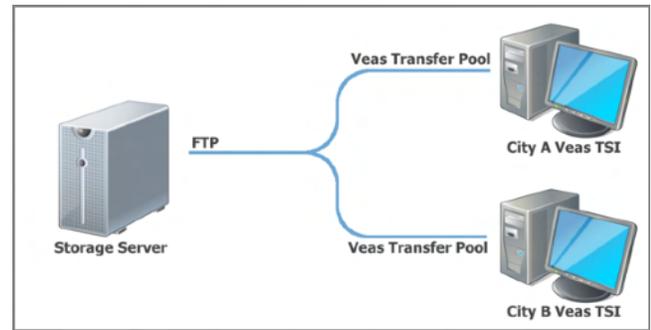


VEAS TRANSFER

Veas Transfer Pool is a fully automated application that will distribute the material library from a storage server to different cities with practical and smart algorithm designed to lower the bandwidth usage.

FEATURES

- Each city will ask the server for new playlists and material in the scheduled time.
- Smart FTP copy that will lower the bandwidth usage.
- Copy playlists from a storage server to each city in your network.
- Each city will decide what materials to copy depending on the updated playlists.
- Updated materials in the server will be keep up to date in every city.
- Clean up will clear old material that is deleted from the server.



VEAS DIGITAL DELAY

Digital video delay have never been easier, Veas Delay IP recorder captures an incoming network TS video feed and store enough time so the player can playback the recorded time-shifted data.

RECORDER FEATURES

- Fully automated recording with configurable file sessions and clean up of old stored data.
- Capture single or multiple program TS.
- Live preview window of incoming TS programs.

PLAYER FEATURES

- Selectable network interface and multicast broadcast ip.
- Configurable time-shifted playback.
- Network usage status info for easy monitoring.



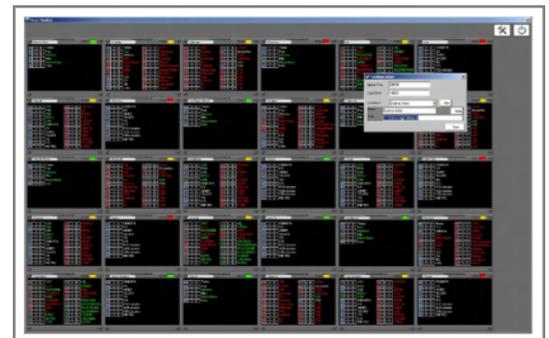
RECORDER SCREEN PLAYER SCREEN

VEAS STATUS MONITOR

Centralized monitoring system with at a glance channel status per city, Veas Status Monitor displays different status of each part of the network from the Ad Servers to the broadcasted signal.

FEATURES

- At a glance status of 30 cities in your network.
- Rotation of cities allows the possibility to view more than 30 cities in rotation mode.
- A complete list of channels per city will be displayed, and rotated if there are more.
- Colorful text and icons to simply view the different status and know where the problems are.
- On screen or email alarms for unattended monitoring.
- Capture data from TSI Ad Servers including SCTE30 connectivity to the Splicers.
- Integrate video logger applications for real time video and audio signal monitoring.
- Digital and analog viewers status monitoring.
- Fully configurable and scalable cities structure.



STATUS SCREEN



FEATURES

PLAYER

- License for 48 or 96 channels.
- Multiple Channel visible for easy operation and on screen status monitor.
- Simple status icons for each Channel that display SCTE30 connection and playback status.
- NTP and Clock auto sync between the Ad Server and the Splicer.
- Automated Ad Insertion blocks started by scheduled time, Analog or Digital Tone.
- Analog CUE tone (DTMF) detector interface connection.
- Powerful TS playout engine over network, with configurable parameters for performance boost.
- Multiple Splicer support using SCTE30 Standard.
- Define one Player to work as backup for other city (100% redundancy).
- Supports Second Audio Program (For multiple audio language channels).
- Total configuration of CUE Tone Source (Analog or Digital) for each channel.

SERVER

- Scalable storage servers Video and Playlist FileSystems.
- Fully customize a network of Ad Servers and define global Channel Settings.
- Multiple Players can connect and use storage of the same Server.
- Connect each channel to a different Splicer depending on the city.

IMPORT

- Manage playlists and import them from Veas List Maker or 3rd Party applications.
- Import TS videos into content library and check important parameters.
- Check video content stored in Storage Servers.
- Optional CALM Audio Monitoring with Editor.
- Optional Audio Normalizer with Editor.



PLAYER SCREEN

SPECIFICATIONS

HARDWARE

- Rack Mount PC with SAS Hot-Swap HDD with support for 4, 8, 16 and 32 TB.
- Redundant power supply for fail safe.
- Coolings system with distributed fans for refrigeration.
- SDD system disc for better performance.
- 2/3 network interfaces, one for control and the rest for streaming.

VIDEO RESOLUTIONS

- SD - MPEG2 TS of 3.75@8Mbps for SD (4:3)
- HD - MPEG2 TS of 4@19Mbps for HD resolutions.

VIDEO & AUDIO CODECS

- MPEG2, H.264 Video.
- MPEG1, MPEG2 and AC3 audio.

VIDEO FORMATS

- MPEG Transport Stream.



HARDWARE PLATFORM

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