T-STREAMER™/QAM

Real time, Reliable, Stand Alone, Affordable, Easily Updateable, Frequency Agile QAM Playout Server for Scheduled Playback of Encoded Video Clips From On Board Hard Drive or External Device Via BNC Connector. Perfect For Driving HD Video Content to Plasma Monitors in Retail Stores or to Any Private Cable Feed in Public Venues. Typical Connection is Regular Coax Cable. Can Coexist with Analog Modulators.

Available in any one of the units shown above

Features

- Input: MPEG-2 encoded clips
- Output: QAM Annex A, B, or C
- Video capture via 100 BT or CD
- One RF channel can have up to two HD streams or six SD streams
- On board transport stream files
- Additional MPTS streams can be created for you and included on hard drive
- Supports MPTS streams up to 38 Mbps
- Playout Scheduler – schedule tasks (5 maximum) to run daily, weekly or monthly at a certain time
- On board VHF/UHF RF output up-converter
- 500 Gigabyte hard drive standard; Larger hard drive optional
- Clip length can be 24 hours and larger hard drive can be accommodated
- Continuous playback
- Complete channel range available from 2-135
- Optional hot swappable hard drive
- Available in three forms:
  - 4 RU Rackmount
  - 1 RU Rackmount
  - Rugged portable "Lunch box"
- Runs on Windows® 7

Applications

- Private "In House" TV operations
- Engineering labs
- HD monitor testing
- Digital signage server for stores, hotels, restaurants, trade shows

Overview

RF modulators convert video to RF (radio frequency) so the video can be transmitted to a television via its RF input. QAM is the RF modulation format used for cable. This modulation format is designated by the ITU organization.

The **T-Streamer™/QAM** is a video server with an integrated QAM modulator. It is designed to play multiple or single program transport streams for continuous "looped" playback on TV monitors. You can ***simultaneously play back 3 to 4 different clips to multiple TV monitors*** – making the T-Streamer/ QAM ideal for restaurants, bars, stores, and other public spaces wishing to feed many digital TV channels to multiple high definition televisions. It is also extremely useful for HD monitor testing.

The T-Streamer/QAM is designed for 24/7 operation, and has been shown to be extremely reliable. Several features of the T-Streamer/QAM make it useful in both lab and broadcast environments, such as the ability to play a playlist in sequence. It can also pull in MPEG streams from an external device or server. This can be useful in the broadcast industry. Six transport streams are included with the T-Streamer/QAM. Additional transport streams can be requested at time of purchase.

DVEO
Digital Video ExtraOrdinaire™
Computer Modules, Inc.
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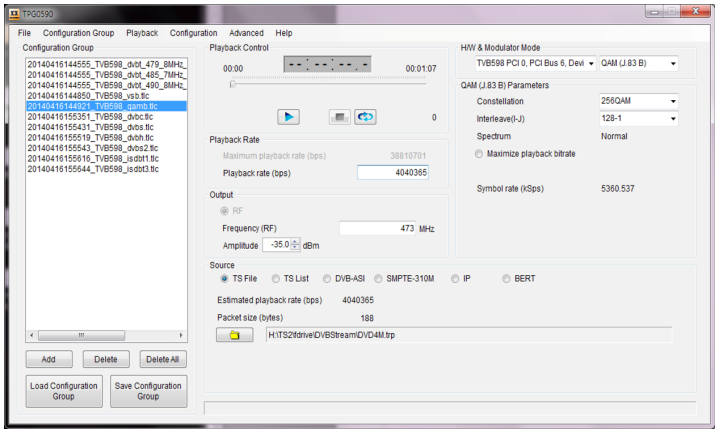
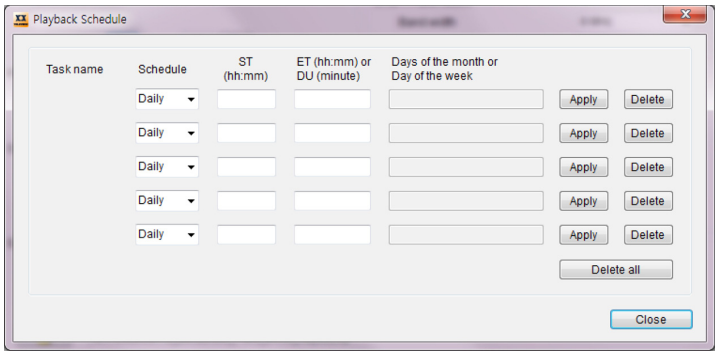
Screen Shots



Main GUI



Playout Scheduler

Ordering Information

- T-Streamer/QAM
  - Standard T-Streamer/QAM in 4 RU rack with 500 GB HD and LCD front panel
- Extended T-Streamer/QAM/EXT W
  - Extended warranty for two years with Express Drive Exchange
- T-Streamer/QAM/HA/XX
  - High Availability T-Streamer/QAM with 500 GB HD in 19" 1 RU Supermicro computer
- T-Streamer/QAM /LB
  - T-Streamer/QAM in a ruggedized, luggable "Lunchbox" instrument case

NOTE: No keyboard, mouse, or monitors are shipped with any T-Streamer/QAM.

Specifications

Inputs/Outputs

Input	IP, USB, DVB-ASI, SMPTE 310M, or stored transport stream
Output	QAM or DVB-ASI
RF Output	Freq: VHF/UHF 55~810 MHz Level: VHF/UHF -31.5 to 0 dBm Freq accuracy: +/-5 KHz max Attenuation step: 0.1 dB Phase noise <-90dBc/Hz @ 10 KHz
Bit Rate	38 Mbps

QAM Specifications

Standard	ITU-T J.83 Annex A/C and B compatible
Constellations	Annex A/C: 16-QAM, 32-QAM, 64-QAM, 128-QAM, and 256-QAM selectable Annex B: 64-QAM and 256-QAM

Maximum Information Bit Rates

Annex A, B, C	64-QAM: 26.97035 Mbps 256-QAM: 38.81070 Mbps

Standard System

- 4 RU Industrial Computer (Black) with rails
- P4 Motherboard with 100/1000 BT
- 1024 MB Ram 16MB Video 48x CD/DVB
- 500 GB - SATA Hard Drive
- Windows® 7
- LCD front panel touch screen
- Dimensions: 16.5" (W) x 17.625" (D) x 6.5" (H) (419 mm x 448 mm x 165 mm)

High Availability System

- 1 RU 19 inch in Supermicro, 100/1000 Gig E, 1 GB RAM
- 32 MB video
- 48x CD/DVB ROM
- 500 GB - SATA Hard Drive or RAID "0" of multiple drives
- Windows® 7
- Hot Swap Hard Drive
- Hot Swap power supply

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