

Inetsat Datasheet

Inetsat Video Server



Dimensions

- 1U rack mounted: 16.7(W)x16.2(D)x1.75(H) inches, 15lbs
- With packaging: 21.5(W)x21.5(D)x6.4(H) inches, 18lbs

Power

- AC input: 100/240 V, 50/ 60 Hz, 110W typ./270W max.

Input/Output

- Dual Gigabit Ethernet ports
- Dektec DTA-2145 (2 ASI/SD-SDI ports), DTA 2152 (2 ASI/HD-SDI ports) or DTA 2174 (4 ASI/HD-SDI ports)

Storage

- Up to 16 TB built in storage

Playout

- Multiple feeds per server
- Multiple outputs per feed (HD, SD, time shifted, HLS)
- Real-time down/up and frame rate conversion
- Auditing and Legal compliance TS recording (configurable resolution and bitrate)
- Built-in evergreen with time shifted TS output on a separate port

TS output over ASI or IP (UDP, RTP or TCP)

- ATSC or DVB TS mode
- H264 or MPEG2 4:2:0 video up to 30 Mbps
- AAC, AC3, MP1, MP2 audio channels
- CC, DVB, Teletext, Imitext, SCTE27 and burned subtitles

HLS stream output

SDI output

- PCM or AC3 audio channels
- CC & hard burned subtitles

Real-time Graphics (secondary events)

- Multiple graphic engines (enables differentiated graphics on down/up - converted output)
- Multiple layer graphics
- Static images & Animations
- Video over video with alpha channel support
- Voice-over
- Squeeze
- Dynamic text rendering and crawling w/custom fonts
- Dynamic layouts (position and size in relation to other elements)
- 2D Animation & Masking

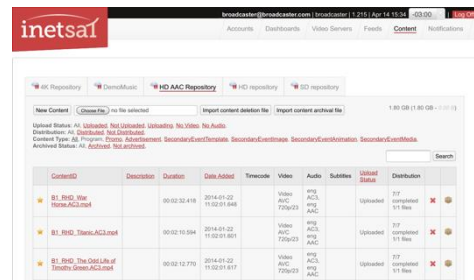
Splicing and Localization

- SCTE-35, Teletext and DTMF cue tone trigger detection
- Support for manual splicing by an operator
- Input to output transcoding
- Real-time graphics over pass through feed
- Dynamic playlist adjustment if live event went overtime

Media

- MP4, MP2, MXF, MOV & TS video files
- H264 & MPEG2 (including XDCAM, HDCAM) video codecs
- AC3, PCM, AAC, MP1 & MP2 audio codecs
- EBU-STL, PAC, SoftNI, 890, CHK, ASS subtitle files

Inetsat Backend and Tools



Playout control

- Automated operation of multiple video servers per feed
- Independent configuration of output specs (port, codec, bitrate, PIDs, etc.) per video server
- Import playlist in any format (BXF, Miranda, Neptune, Harris, Pharos, eLog or custom)
- Playlist management (add, remove, edit, replicate, etc.)
- Playlist and media consistency checks with customizable warnings
- Web service API for automated management

User access

- User groups with custom access levels
- Two factor authentication & password complexity policy
- IP restrictions

Content distribution and media asset management

- Advanced encryption using AES 256 and RSA 4096
- Content repositories in AWS or customer's infrastructure
- Multiple files per content (embedded or separate audio and subtitle files)
- High speed upload tool with built in QC
- High speed downloader tool
- Automatic metadata extraction and validation
- Automatic uploads via watch folders
- Automatic download to video servers prioritized according to the playlist
- Media replication between primary and backup servers over LAN
- Content and metadata management
- Automatic storage management on video servers
- Missing media detection and automated email reports

Monitoring and alerts

- Flexible email alert configuration per video server, broadcaster or feed
- Alerts when video server is not working, loses internet connectivity or low disk space remains
- Alerts on black or frozen output
- Preemptive alerts on playlist or media distribution problems
- Remote real-time output monitoring over low bandwidth connections via thumbnails and HLS stream
- Customizable multiview monitoring dashboard

Auditing and legal compliance recordings

- As run logs that can be exported in custom format
- Automated email reports with As run logs
- Remote access to Auditing and Legal compliance TS recordings

Graphic templates (secondary events) creation tool

- Multi-layer, time sequenced, multi-element graphic templates
- Accurate preview with built in video server engine