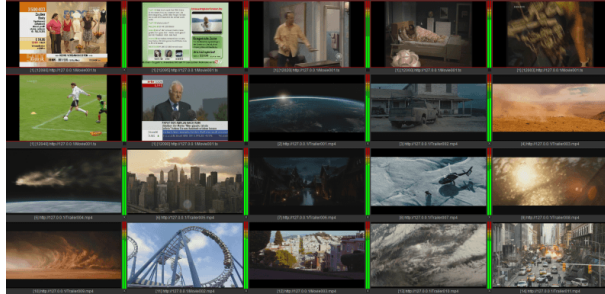


## Setrix - All in One Media Processor

- **Transcode/Encode** - Hardware acceleration (Nvidia, Intel QuickSync), Multi-Bitrate(ABR), Watermark overlays, FailOver I/O Switching, Major I/O Protocols and Codecs supported. Codecs(List ICON), Protocols(List ICON).
- **Capture Inputs** - HDMI, SDI, DVI, Component feed capturing. 3U Server can be configured with upto 32 physical Inputs.
- **Satellite & Terrestrial** - Satellite & Terrestrial signal Capturing Inputs: DVB-S/S2, DVB-T/T2, DVB-C - Scan, Tune, EPG Capture.
- **Re-Stream/Packaging** - Transmuxing by re-packaging your streams from one protocol to another on the fly without having to transcode them with minimal resources. Wide range of inputs/outputs supported. Codec(List ICON), Protocol(List ICON)
- **DRM** - Encryption made easy with Setrix on the fly packager. Major DRM vendors supported Widevine, Playready, Fairplay, HLS AES. Pre Integrated with many different DRM hosted solutions EzDRM, PallyCon & BuyDRM.
- **Ad-Insertion** - Server-Side Ads Insertion(SSAI), Pre-roll and mid-roll ads, SCTE 35 markers, AD-IN & AD-OUT support After the user clicks play on that content, the video player will request a manifest from the SSAI server. A manifest is a set of instructions that instruct the player on tasks like where it can locate video files and how long to play them for.

After receiving the manifest, the player accesses the video content from our content delivery network (CDN), the group of servers that work to deliver content to connected devices. Once the content is accessed, the player begins to stream it. When it is time for an ad break in the user's content, a marker in the stream indicates to the SSAI vendor that it is time for an ad to be served. The SSAI vendor will then send an ad request on behalf of the player and call into a supply of ads for an ad or a pod of ads.

- **Ad-Insertion** - *Setrix can fully support server side ad insertion (SSAI). It is able to detect SCTE 35 markers in live linear tv stream and then output an HLS stream for dynamic ad insertion via third party SSAI server. Setplex can provide a turnkey solution including ad serving, dynamic pre-roll and mid-roll via SSAI for both live TV and video on demand.*
- **StreamNow** - Scalable Streamer with load balancing and caching allowing you to horizontally scale as you grow, supporting HLS, DASH, ABR, DRM, Security Tokens. DVR Query.
- **DVR** - Record streams and query playback in time range with start and end tags based on EPG timing. Timeshifting delayed streaming. Auto Parge cleanup old recordings. Scalable and NAS compatible. ABR Stream Support.
- **Playlist** - Simple Playout allows you to create a live stream from files. Multi file format supported.
- **Multiviewer** - Monitoring multiple streams in one screen with Audio bars, up 16 streams supported 1x2-4x4.



- **Security** - Built-in firewall, ACL. Control who can Access the UI, Streams through IP's and ports.
- **Multi-Tenant** - Multi User Management allowing different access roles and permissions.
- **Alarms** - Get notified for any event through E-mail or SMS(Twilio) to help you solve the problem right away. Triggering Notifications as soon as an issue starts happening if Stream Input/Output Issues, Stream Modifications, Server Overload.
- **Web UI Management** - Setrix is managed from simple Web User Interface which will let you Multi User Management with user rights: View / Create / Delete / Hide  
TroubleShooting Tools - Media Checker, Speed Checker, Ping, Diagnostic Checker
- **Delivery 1080i/p Resolution** - Functionality coming with the encoders allows broadcasters and service providers to deliver multi-feature services in resolutions ranging from Standard Definition to Full HD 1080i/p. A real-time encoding/transcoding solution Setplex Encoders are the most powerful encoder in the market providing uncompromising quality.
- **Single Server Transcoder** - Instead of using racks on racks of servers and control panels to manage even just one of the above-mentioned features, which could be difficult and time-intensive to service, Setrix can run all of the above features through a single Setrix 1U server. Managed by a single WEB user interface, this server can minimize the time and energy required to locate and correct any issues that arise.
- **DVB-S/S2/C/T Management** - By providing you with the ability to manage all features that you would find in IRD, 3U Setrix Server allows you to obtain up to 48 DVB Inputs. This gives you the ability to preserve an incredible amount of rack space
  - Scan Satellites and Terrestrial Antennas by just entering the frequency or using Blind Scan and add them to transcode with just one click.
  - Decryption - Decrypt scrambled through software or hardware by support BISS
  - EPG Scanning - Use 1 input to collect EPG from 1000 channels in course of 1 hour and store them in XMLTV Standard
  - UDP/HTTP Out - Captured DVB Channels then can be sent over the network in UDP or HTTP Transport Stream
- **Relays** - Re-stream without transcoding even with very low CPU and memory resources, pulling live streams or media files from CDNs, Wowza Streamers, IP Transit, Internal Networks, Multicast or Unicast. Major protocols and containers are supported with multiple outlets simultaneously for a single stream, with the additional ability to re-stream 1,000 live streams from one single 1u server.

- **Input Protocols:** UDP, SRT, HTTP TS, HLS, DASH, TCP TS, RTMP, RTSP, RTP
- **Output Protocols:** UDP, RTP, SRT, HTTP TS, HLS, DASH, TCP TS, RTMP, Akamai HLS PUSH(MSLv3 & v4).
- **Codec Support:** H.264/AVC, H.265/HEVC, MPEG2, VP9, AAC, MP3, AC3, MPEG1 part1/2, AV1(beta)

**Ingest your content to many different Platforms:**

