PRODUCT MODEL NUMBER: TSA-M3600

1x PCI-E 3.0 x16 Slot

350W 80 PLUS Platinum Power Supplies

VGA Port

2x USB Ports

Dedicated IPMI LAN Port

2x RJ45 GbE LAN Ports

2x USB Ports
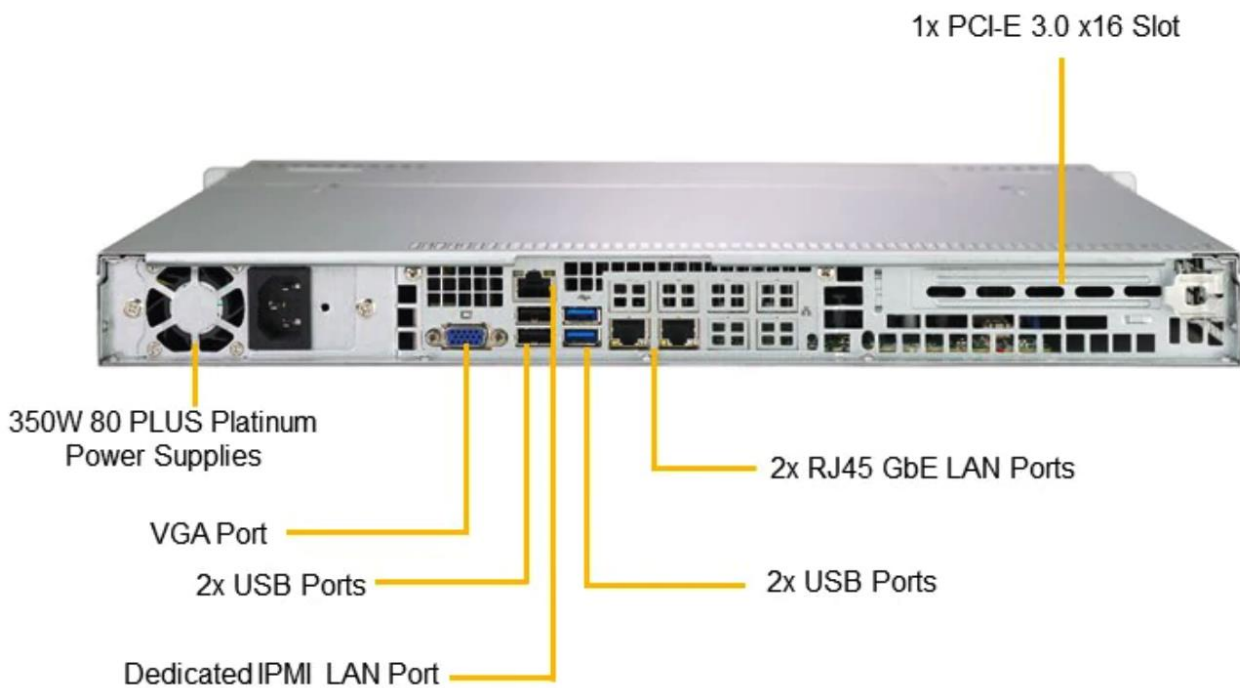
PRODUCT OVERVIEW

TSA-M3600 Translite Streaming Analyzer: - IPTV has become the preferred choice of distribution for most local and wide area networks. Translite's IPTV Streaming Analyzer is used for monitoring the system constantly for quality and integrity to guarantee the best viewing experience. The system receives IP encapsulated digital audio and video data. It will monitor all media flows in the network, perform extensive tests on standard compliance and user profile matching, and generate alarms when TS, video or audio errors occur.

Visual alerts, statistics and reports provided to the operator ensures quick detection of service interruption thus increasing usability and viewer satisfaction. The system's viewer enables simultaneous display of up to 36 live HD/SD streams of video content along with its visual audio parameters as well as a master alarm indicator.

KEY FEATURES

➢ **Comprehensive TS Analysis:**

It supports MPEG-2, AVC, and HEVC video encoding formats, as well as commonly used audio formats including MP3, AAC, AAC plus, and AC3. It analyzes transport stream program structure, measures PID bitrate, performs PCR, and buffer analysis, detects any black and frozen frames, and monitors missing audio and video element streams.

➢ **Multi-View Monitoring Display:**

Translite's Streaming Analyzer can display up to 36 SD/HD live streams of video content. Its audio parameters are made visible on the video wall as well. Both Multicast and Unicast streams can be decoded for display. The viewer has an on-screen display of channel information, on-screen audio level indicator, as well as on screen error alert.

➤ **Alarm Logs and Reports:**

Visual alerts, statistics and reports provided to the operator ensures quick detection of service interruption thus increasing usability and viewer satisfaction. The system's viewer enables simultaneous display of up to 36 live HD/SD streams of video content along with its visual audio parameters as well as a master alarm indicator. The operator receives real-time information about any interruptions to the video, audio of the live streams.

➤ **Monitored Parameters:**

Warning_Category	Warning_Content
Input	Packet loss
	Reconnect_for_lossofinput
	Reconnect_lossofsync
	Timestamp_Error
	Audio_change_detected
	Video_change_detected
	CC_error
	Stream_Disconnected
Buffer_status	
	Input_Buffer_Frame_overflow
	Encode_Buffer_Frame_overflow
	Rawdata_overflow
Exception_detect	Static_Frame_Detect
	Blace_scene_Detect
	Color_bar_Detect
	Mosaic_Detect
	Silence_Detect

➤ **Remote Access:**
This solution allows users to access the server remotely by using a standard web browser. This is ideal for network-wide video service monitoring. The video key frames that are decoded, can be streamed to a unicast or multicast IP address and can be viewed at different locations.

➢ **Email, Page Alerts, SMS Alerts:**
The monitoring system notifies the system user in the following events: source interruption, abnormal source encoding, abnormal source decoding – by either sending an email, sending an SMS, or just a page alert (depending on choice of alarm selected by the user). All errors generated are logged in the database and can be reviewed at a later time.

➢ **Supported Streaming Protocols:**
- MPEG TS over RTP
- MPEG TS over UDP (SPTS, MPTS)
- HTTP Live Streaming (HLS)
- Real-time streaming protocol (RTSP)
- Real-time messaging protocol (RTMP)
- TS over HTTP

The relevant input source address format is as follows:

rtmp://192.168.1.100:1935/live/stream;
rtsp://192.168.1.100:554/live/stream;
http://192.168.1.100:8000/live/stream.m3u8;
http://192.168.1.100:8000/live/stream;
udp://223.0.0.1:6666

APPLICATION & BENEFITS

Monitor Live IPTV, OTT channels and ensure quick detection of service interruption thus increasing usability and viewer satisfaction expanding your subscriber base beyond your existing distribution network.

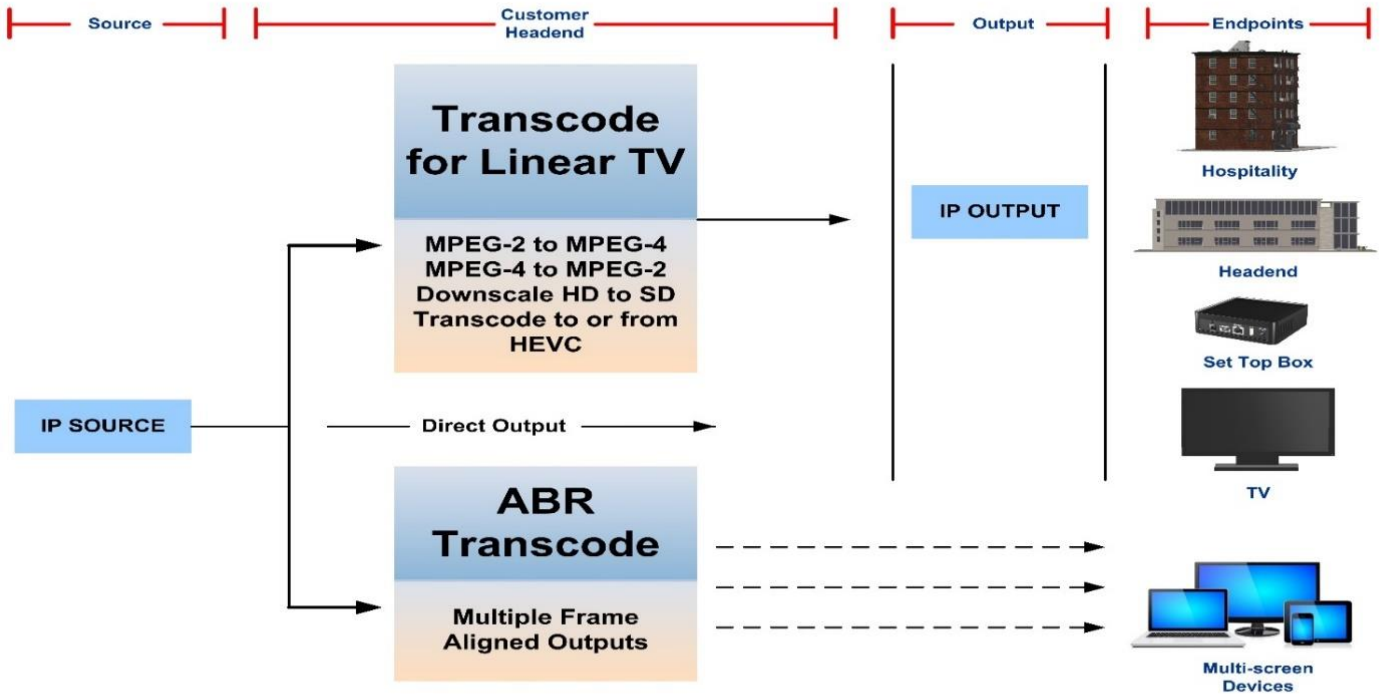**Continuous monitoring and Analysis**

Easy system setup

LOW Capex, LOW Maintenance costs

Pair with Translite's Live Streaming Transcoder System: (TL-A1000)

SPECIFICATIONS

Hardware	
GPU Based System	**Supermicro** 5019C-M-OTO-14 (Customized)
Audio & Video Specifications	
Video	**MPEG-2, AVC/H.264, HEVC/H.265**
Audio	**MP3, AAC**
Transport	**MPEG-2 TS (SPTS/MPTS)**
System Requirements	
CPU	**Intel Quad Core Processor 3.30GHz, 8Mb Cache (71W)**
GPU	**Nvidia Quadro P2000**
Memory	**DDR4 16GB* 2(qty)**
SSD	**Intel S3710 200G**
Input and Output Parameters	
Input Streaming Media Protocol	HTTP | HLS | RTMP | UDP | RTP | RTSP
Output Streaming Media Protocol	HTTP | HLS | RTMP | UDP | RTP | RTSP

Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com

https://www.go2mhz.com/product/tsa-m3600-iptv-monitoring-system/