

Televes Live Multiscreen Transcoder / Streamer

Enables streaming television channels to any device (smartphones, tablets, STBs, PCs, smart TVs etc.) through any kind of network

- **Adaptive Streaming:** The video quality will dynamically adapt to the network capacity, delivering the highest possible quality at any time.
- **AES Encrypted Channels:** The Wi-Fi streamer supports reception and decryption of secure live streams from a DIRECTV IPTV headend.
- Up to 480p output resolution
- **Fully Scalable:** A tool with multiple node management capacity. New equipment hot-plug capability.
- **Native Multi-Device Player:** The web player is optimized to use the HW decoding resources of each specific device, improving performance and optimizing power consumption.
- **Responsive Web Tool:** All management and configuration of the equipment can be carried out from a web interface that adapts to any device.



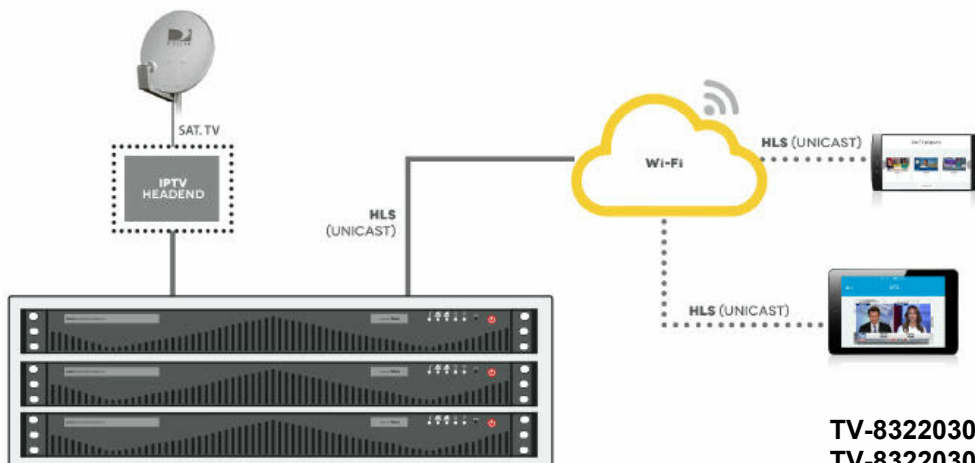
Common mobile devices such as smartphones, tablets or PC, connect through different networks (NAT networks, Wi-Fi access points, 3G and LTE networks, etc.) which seldom support network protocols without status control features like UDP or RTP. For this reason, and also to ensure an appropriate service, the use of TCP-based transmissions is usually a requirement.

Moreover, these types of networks do not usually provide a guaranteed bandwidth which produces instability and video streaming (or buffering) cut-outs. By using adaptive streaming, the video stream will dynamically adapt to the network resources available at any given time thus delivering the highest possible quality.

Another significant advantage of adaptive streaming is the fact that it ensures video playback on any device since the device itself - based on its resources and limitations - will be requesting the appropriate video stream.

In order to offer this set of services, the use of a transcoding process is required; it aims at transforming video, audio or any data streams. This transformation allows for the use of different coding standards, each compliant with different requirements or limitations.

The video transcoding process consists of the intake of video streams, their decoding, their processing or transformation (resolution, aspect ratio, sampling rate etc.) and finally their new encoding. The audio transcoding process is very similar to the video transcoding process, the difference being that the main transformation processes consist in the re-sampling and the channel mixing.



TV-83220301 WiFi Streamer, Lite Model
TV-83220302 WiFi Streamer, Plus Model