Televes reserves the right to modify the product

Transcoder/Streamer Live

Televes multiscreen transcoder includes two functions on a single device: transcoding and streaming, enabling to transcode live content and stream it through HLS, UDP or RTP.
It allows streaming television channels to any device (Smartphones, Tablets, STBs, PCs, Smart TVs...) through any kind of network.

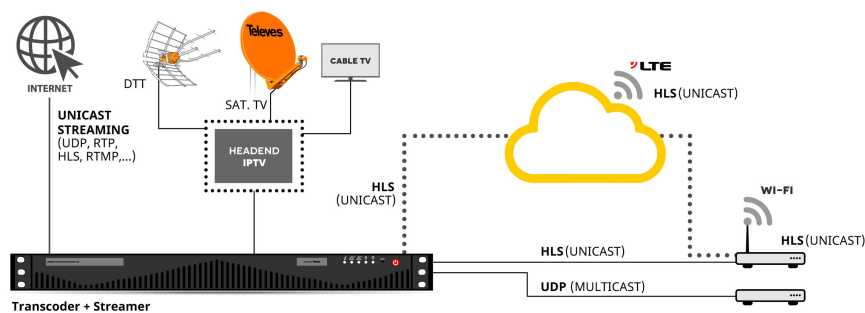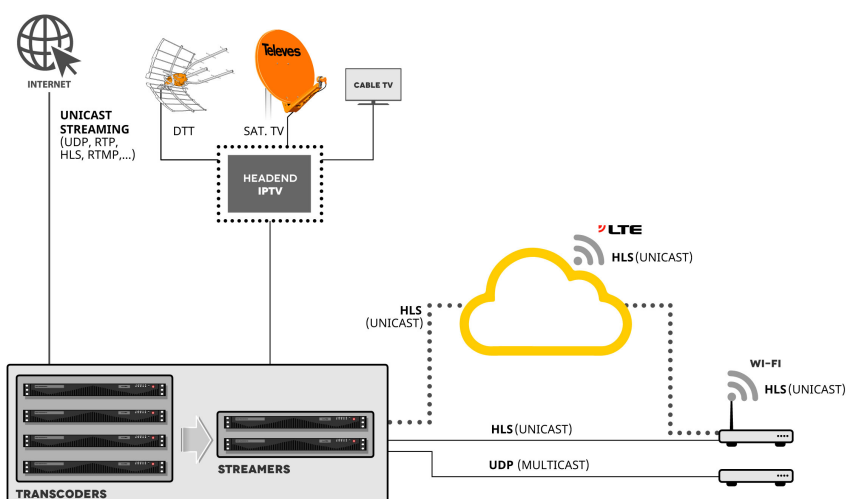| Ref.832201		
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Highlights

- It supports different architectures and configuration modes, like an all-in-one configuration where a single equipment will simultaneously behave as a transcoder and a streamer.
- Equipment reconfiguration. Depending on the requirements of the project, the device can be configured as a transcoder, a streamer or both simultaneously, sharing the resources.
- 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.
- Players consistent with Casting devices. The web players, of the suitable devices, allow sending contents to casting devices like Chromecast or Apple TV.
- Responsive web tool. All management and configuration of the equipment can be carried out from a web interface that adapts to any device.
- Output resolutions up to 1080p.
- Adaptive streaming. The video quality will dynamically adapt to the network capacity, delivering the highest possible quality at any time.
- It supports the most popular codecs that are being used currently for video streaming, including HEVC, allowing for an even higher optimization of the network resources. Primarily designed for use on LTE networks.
- Fully scalable. A tool with multiple node management capacity. New equipment hot-plug capability.

Application example

All-in-one **architecture**

Complex architecture

Technical specifications

Performance	Transcoding	Input			Output (H.264)	
		Channels	Codec	Resolution	Profiles	Resolutions
		7	H.264	1080i@30	3	480p, 360p, 144p
		5		720p@50	3	480p, 360p, 144p
		9	MPEG2	PAL / NTSC	3	480p, 360p, 144p
		5	H.264	1080i@25	3	480p, 360p, 144p
		4		1080i@25	4	720p, 480p, 360p, 144p
		Input			Output (MPEG2)	
		Channels	Codec	Resolution	Profiles	Resolutions
		5	H.264	1080i@30	1	1080i
		6		720p@50	1	720p
		6		1080i@25	1	1080i
	Streaming	Maximum: 3x 1Gbps interfaces				
		Users per interface	Total users		Output quality	Bit rate per user
		225	675		480p	4 Mbps
		250	750		404p	4 Mbps
		375	1125		360p	2 Mbps
		450	1350		404p	2 Mbps
		900	2700		144p	1 Mbps

Hardware Description	Frame	Dimensions
		437 x 43 x 369mm
		Weight
		13.4kg
		Cooling
		4 high-efficiency FANs
	Network connections	4 GbE ports
	Power supply	350W AC 100-240V 50/60Hz 4.2-1.8A
		Energy performance certifications
		Gold
	Average power consumption	120V / 0.8 - 1A
		230V / 0.4 - 0.6 A