

DoğalZeka MPTS Transcoder

DoğalZeka MPTS Transcoder is a product that gets the RAW/Encoded Streams coming from multiple input types (such as MPEG-TS over UDP/RTP (multicast), Adobe RTMP, Apple HLS, Microsoft MSS, devices) and transcodes & muxes it into MPEG-TS or Flash Video (FLV) and sends it over a multicast network or a Flash Media Server (FMS).



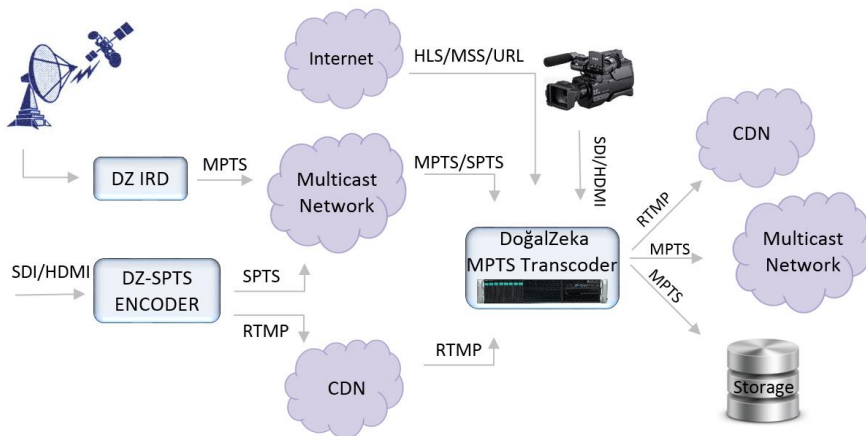
The MPTS Transcoder intended as a "bandwidth reducer" for Satellite-to-Multicast networks. It receives live streams and packages the content in a similar manner in MPEG-TS, and outputs it to the network.



The MPTS Transcoder intended as a "resource provider" for Satellite-to-Internet broadcasting networks. It receives live streams and packages the content in Flash Video suitable for Macromedia / Adobe's Real Time Messaging Protocol (RTMP), and outputs it to the network.



The MPTS Transcoder gets live stream from multiple input and records as MPEG-TS in storage.



The resulting video can be viewed in several different formats:

- Flash Video over RTMP
- MPEG-TS over UDP/RTP

DoğalZeka MPTS Transcoder Technical Specifications

| INPUT | PROCESSING | OUTPUT |
|--|--|---|
| <p>Streaming Types</p> <ul style="list-style-type: none">• MPEG-TS (Over UDP/RTP)• Adobe RTMP (Over TCP)• Apple HLS• MSS• URL• DEVICE (Firewire/Composite/HDMI/SDI) <p>Supported Video Codecs</p> <ul style="list-style-type: none">• MPEG-2 (ISO/IEC 11172-1, ISO/IEC 14496-3)• ITU-T H.264 (ISO/IEC 14496-10)• ITU-T H.265 (ISO/IEC 23008-2)• RAW (uncompressed) <p>Supported Audio Codecs</p> <ul style="list-style-type: none">• AAC (ISO/IEC 13818-7, ISO/IEC 14496-3)• MP3 (ISO/IEC 11172-3, ISO/IEC 13818-3)• Dolby AC-3 <p>Other Supported Codecs</p> <ul style="list-style-type: none">• DVB-Subtitle <p>Miscellaneous</p> <ul style="list-style-type: none">• Capability to get input from different networks over ethernet cards and raw A/V streams over external devices | <p>General Configuration</p> <ul style="list-style-type: none">• Performance Mode: MORE number of channels in LOW quality• Moderate Quality Mode• Higher Quality Mode: LESS number of channels in HIGH quality <p>Settings Related To Input</p> <ul style="list-style-type: none">• Audio/Subtitle PID filtering mechanism for channels with more than one language tracks• Resetting PCR/PTS synchronization• Discarding video or/and assigning an image to be used instead of video <p>Settings Related To Output</p> <ul style="list-style-type: none">• Keeping Aspect Ratio of input and output• Program Name, Audio Levels, Subtitle, Logo, Timestamp be able to be draw on frame. | <p>Output Streaming Types</p> <ul style="list-style-type: none">• MPEG-TS (Over UDP/RTP)• Adobe RTMP (Over TCP)• File System <p>Supported Video Codecs</p> <ul style="list-style-type: none">• MPEG-2 (ISO/IEC 11172-1, ISO/IEC 13818-1)• ITU-T H.264 (ISO/IEC 14496-10)• ITU-T H.265 (ISO/IEC 23008-2) <p>Supported Audio Codecs</p> <ul style="list-style-type: none">• AAC (ISO/IEC 13818-7, ISO/IEC 14496-3)• MP3 (ISO/IEC 11172-3, ISO/IEC 13818-3)• Sampling at the requested sampling frequency <p>Different Output Profiles</p> <ul style="list-style-type: none">• Higher Quality• High Quality• Mobile• Mobile (HQ)• Performance <p>Other</p> <ul style="list-style-type: none">• Capability to push output to different networks over ethernet cards• Customizable audio and video encoding parameters |