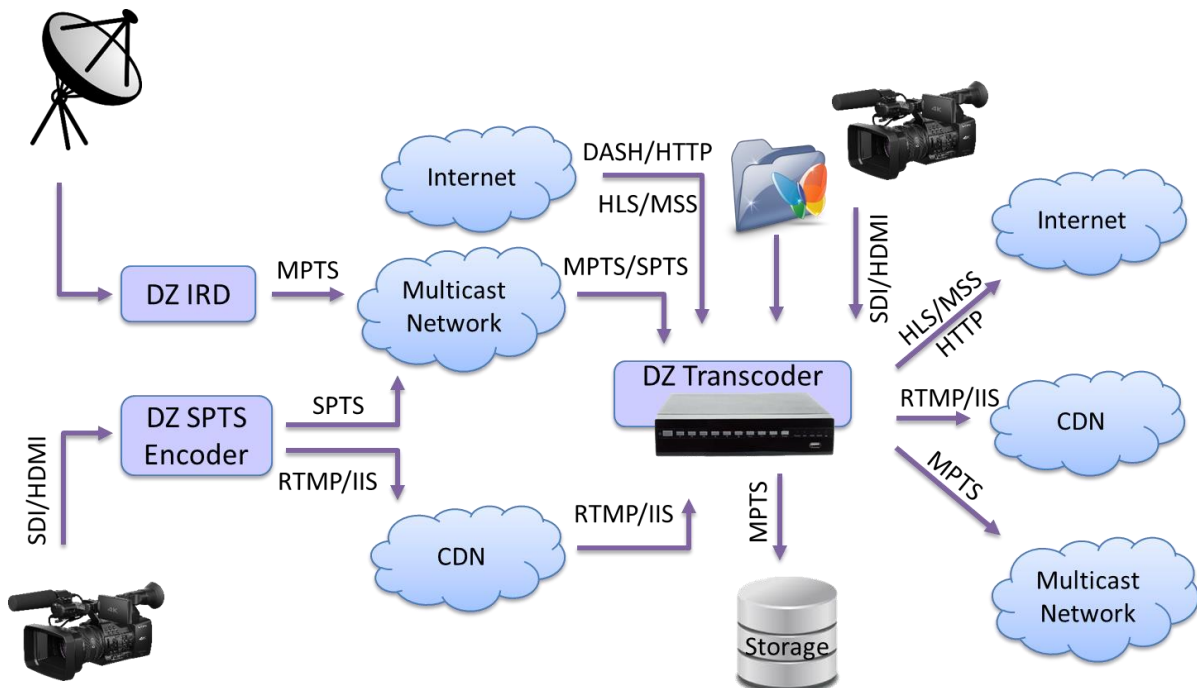


## MPTS Transcoder

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 etc.) and transcodes & muxes it into MPEG-TS, Flash Video (FLV) or MP4 packetized program and sends it to a multicast network or CDN network.

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.

Another key role of the MPTS Transcoder is a "resource provider" for Satellite-to-Internet broadcasting networks. It receives live streams and packages from multicast network, and outputs it to the CDN network.



## DoğalZeka MPTS Transcoder Specifications

INPUT	PROCESSING	OUTPUT
<p><b>Streaming Types</b></p> <ul style="list-style-type: none"> <li>MPEG-TS</li> <li>DASH</li> <li>Adobe RTMP</li> <li>Apple HLS</li> <li>Microsoft MSS</li> <li>Microsoft IIS</li> <li>URL</li> <li>HTTP</li> <li>File System</li> <li>DEVICE (Firewire/Composite/HDMI/SDI)</li> </ul> <p><b>Supported Video Codecs</b></p> <ul style="list-style-type: none"> <li>MPEG-2 (ISO/IEC 11172-1, ISO/IEC 14496-3)</li> <li>ITU-T H.264 (ISO/IEC 14496-10)</li> <li>ITU-T H.265 (ISO/IEC 23008-2)</li> <li>RAW (uncompressed)</li> </ul> <p><b>Supported Audio Codecs</b></p> <ul style="list-style-type: none"> <li>AAC (ISO/IEC 13818-7, ISO/IEC 14496-3)</li> <li>MP3 (ISO/IEC 11172-3, ISO/IEC 13818-3)</li> <li>Dolby AC-3</li> </ul> <p><b>Other Supported Codecs</b></p> <ul style="list-style-type: none"> <li>DVB-Subtitle</li> </ul> <p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>Capability to get input from different networks over ethernet cards and raw A/V streams over external devices</li> </ul>	<p><b>General Configuration</b></p> <ul style="list-style-type: none"> <li>Performance Mode: MORE number of channels in LOW quality</li> <li>Moderate Quality Mode</li> <li>Higher Quality Mode: LESS number of channels in HIGH quality</li> </ul> <p><b>Settings Related To Input</b></p> <ul style="list-style-type: none"> <li>Audio/Subtitle PID filtering mechanism for channels with more than one language tracks</li> <li>Resetting PCR/PTS synchronization, periodic reset</li> <li>Discarding video or/and assigning an image to be used instead of video</li> <li>Mute audio and audio mixing options</li> </ul> <p><b>Settings Related To Output</b></p> <ul style="list-style-type: none"> <li>Keeping Aspect Ratio of input and output</li> <li>Program Name, Audio Levels, Subtitle, Logo, Timestamp be able to be draw on frame.</li> </ul>	<p><b>Output Streaming Types</b></p> <ul style="list-style-type: none"> <li>MPEG-TS</li> <li>DASH</li> <li>Adobe RTMP</li> <li>Apple HLS</li> <li>Microsoft MSS</li> <li>Microsoft IIS</li> <li>File system (TS, MP4, FLV)</li> <li>HTTP</li> <li>Dropbox/FTP/WEBDAV</li> </ul> <p><b>Supported Video Codecs</b></p> <ul style="list-style-type: none"> <li>MPEG-2 (ISO/IEC 11172-1, ISO/IEC 13818-1)</li> <li>ITU-T H.264 (ISO/IEC 14496-10)</li> <li>ITU-T H.265 (ISO/IEC 23008-2)</li> </ul> <p><b>Supported Audio Codecs</b></p> <ul style="list-style-type: none"> <li>AAC (ISO/IEC 13818-7, ISO/IEC 14496-3)</li> <li>MP3 (ISO/IEC 11172-3, ISO/IEC 13818-3)</li> <li>Sampling at the requested sampling frequency</li> </ul> <p><b>Different Output Profiles</b></p> <ul style="list-style-type: none"> <li>Higher Quality</li> <li>High Quality</li> <li>Mobile</li> <li>Mobile (HQ)</li> <li>Performance</li> </ul> <p><b>Other</b></p> <ul style="list-style-type: none"> <li>Capability to push output to different networks over ethernet cards</li> <li>Customizable audio and video encoding parameters</li> </ul>