

Video Solutions for Multicast Networks

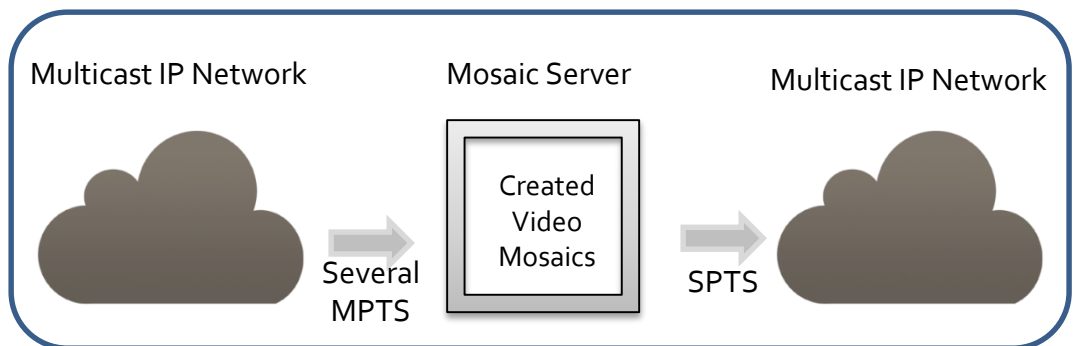
Mosaic Server

Mosaic Server is an MPEG Transport Stream (MPEG-TS / IPTV) or Flash Video over RTMP Multi-Viewer which creates enhanced mosaic videos of the Single- or Multi- program streams which contain video, audio and subtitle data.

Its main purpose is to grab videos that are carried as MPEG Transport Stream over UDP or Adobe's Flash Video over Real Time Multimedia Protocol (RTMP) and organize these videos by a web-based interface so that a highly customizable mosaics of these videos are produced. The resulting video can be viewed in several different formats:

- Directly on screen
- Over an external video output card
- MPEG-TS over UDP
- MPEG-TS splitted and recorded on file
- Flash Video over RTMP

All outputs are encoded with MPEG2 / H.264 video and AAC / MP3 audio coding standards.



Once the output is streamed, the mosaic videos can be viewed from any location within the network, depending on the network capacity. This can be achieved by simple MPEG Transport Stream or Flash Video over RTMP reading video client programs or dedicated set-top-boxes.

DoğalZeka Mosaic Server Technical Specifications

INPUT	PROCESSING	OUTPUT
<p>Streaming Types</p> <ul style="list-style-type: none"> • MPEG-TS (over UDP/RTP) • Adobe RTMP (over TCP) <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) <ul style="list-style-type: none"> ▪ Main, Baseline and High profile ▪ Level 4.1 <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 different ethernet cards 	<p>General Configuration</p> <ul style="list-style-type: none"> • Performance Mode: MORE number of channels in LOWER quality • Quality Mode: LESS number of channels in HIGHER quality <p>Settings related to Input</p> <ul style="list-style-type: none"> • Audio PID filtering mechanism for channels with more than one language tracks • Resetting PCR / PTS synchronization <p>Settings related to Output</p> <ul style="list-style-type: none"> • Creating customized mosaic: Totally configurable geometry • Keeping of input Aspect Ratio for videos 	<p>Output Streaming Types</p> <ul style="list-style-type: none"> • MPEG-TS (over UDP/RTP) • Adobe RTMP (over TCP) • Direct viewing on Screen • Direct output from Decklink SDI/HDMI video cards <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) <ul style="list-style-type: none"> - Main, Baseline and High profile - Level 4.1 • Compressing in the requested bitrate <p>Different Output Profiles</p> <ul style="list-style-type: none"> • High Quality • Mobile • Performance <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>Other</p> <ul style="list-style-type: none"> • Capability to push output to different networks over different ethernet cards