



## Specification

Features
Session Setup (can use old PD or can obtain new PD from given RTSP URL)
Session Tear Down / Release
Session Play (from specific time and with a given scale – FF, RWND)
Session Pause
Session Stop
Session Record
Support for MPEG-2, MPEG-4, H.264 audio & video decoders
Support for DESCRIBE, SETUP, PLAY, PAUSE, TEARDOWN, GET_PARAMETER, SET_PARAMETER, REDIRECT, RECORD
Periodic sending of dummy GET_PARAMETER for session keep alive
Support for interleaved streaming (RTSP and RTP together on same TCP link)
Support for decoding program repeat instructions (SDP r=)
Support for aggregate and non-aggregate control URLs
Support for digest authentication based on MD5
Support for multiple sessions
APIs for use of RTSP client
Configurable RTSP, RTP and RTCP ports
Support for primary and secondary server addresses for session continuity
Support for TCP (default) and UDP transport
Application control of GET_PARAMETER and SET_PARAMETER
Support for all Range formats (SMPTE, NPT, CLOCK)
Codec selection based on bandwidth available (future)
Available on OMAP 2420 with option of running codecs either on ARM or DSP.
Standards Supported (for above RTSP Features)
RFC 1321 - The MD5 Message-Digest Algorithm
RFC 2326 - RTSP (Real Time Streaming Protocol)
RFC 2327 - SDP (Session Description Protocol)
RFC 3550 – RTP / RTCP (Real-time Transport Protocol)
MPEG-2 Main Profile decoder
MPEG-2 AAC decoder
MPEG-4 Simple Profile decoder
MPEG-4 AAC decoder
H.264 decoder

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