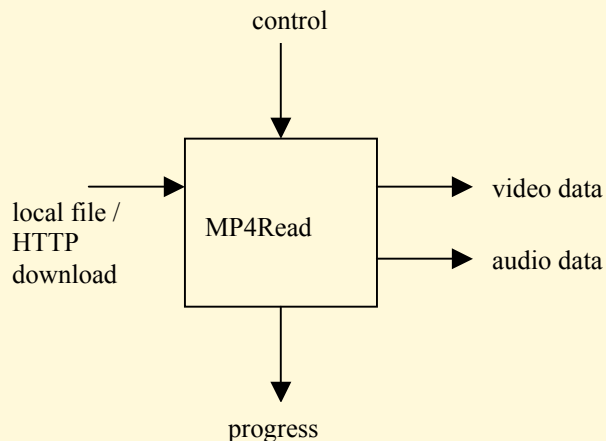


MP4Read is a TSSA compliant software library that plays back MPEG-4 content either from local storage or via HTTP progressive download



MP4Read

Description

The MP4Read component reads MPEG-4 content from either local storage or from a HTTP 1.1 server (progressive download). It will demultiplex the incoming data stream into video and audio access units, which are redirected to TSSA queues, for delivery to the respective decoders.

Documentation:

The software requirements specification document of the MP4Read component is available.

Features:

- This component is DVP-compatible.
- The MP4Read component is ISMA level 1 profile 0 and 1 compliant.
- The MP4Read component demultiplexes MPEG-4 video (ISO/IEC 14496-2) and MPEG-4 (ISO/IEC 14496-3) CELP and AAC audio.
- The MP4Read component supports progressive download from a HTTP 1.1 compliant server (RFC2068).
- The MP4Read component supports playback from local storage.
- The MP4Read component supports jump, pause and resume functionality.

MP4Read

Technical Information

Memory Usage (excluding TCP/IP & HTTP stack)

Static Memory	131,702 bytes
Text Memory	1,893,236 bytes

Dynamic Memory	
Object instantiation & internal buffers	+/-550,000 bytes

Processor Load (excluding TCP/IP & HTTP stack)

Stream	Load (in MCycles)
1500 kbps video (352x240) 128 kbps audio (44.kHz, stereo, AAC)	5.57 (file) / 24.58 (HTTP LAN)
800 kbps video (352x240) 128 kbps audio (44.kHz, stereo, AAC)	4.42 (file) / 15.17 (HTTP LAN)
350 kbps video (352x240) 128 kbps audio (44.kHz, stereo, AAC)	3.46 (file) / 9.21 (HTTP LAN)

Operating System Usage

Tasks (FRDR)	1
Semaphores	0
Queues	0
Mutex	3

Other Information

Supported processors	TM1300
Version Number	2.4
Compiler version	V5.7.1 of tcs2.2-dvp0003WinNT

Related TriMedia TSSA Software Components

VdecMpeg4, AdecAac4, AdecCelp4

Example Programs

This library is shipped with an example program, exolMpeg4, that demonstrates the use of the component.

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