Sustainability of Digital Formats: Planning for Library of Congress Collections

Search this site

Go

<u>Introduction</u> | <u>Sustainability Factors</u> | <u>Content Categories</u> | <u>Format Descriptions</u> | <u>Contact Format Description Categories</u> >> <u>Browse Alphabetical List</u>

MPEG-4 File Format, V.2, with AVC, No Profile Indicated

>> <u>Back</u>

Table of Contents

- Identification and description
- Local use
- Sustainability factors
- Quality and functionality factors
- File type signifiers
- Notes
- Format specifications
- <u>Useful references</u>

Format Description Properties 1



• Short name: MP4 FF 2 AVC

• Content categories: moving-image

• Format Category: file-format, encoding

• Other facets: unitary, binary, sampled

• Last significant FDD update: 2010-06-29

• Draft status: Full

Identification and description 1

Full name	MPEG-4 file format, version 2, with Advanced Video Coding, no profile indicated (common name)
Description	Combination of a file format (wrapper) and encoding category (Advanced Video Coding; AVC, no profile indicated).
Production phase	Generally a final-state (end-user delivery) format, may also serve as middle-state format.
Relationship to other formats	
Subtype of	MP4_FF_2, MPEG-4 File Format, Version 2
May contain	MPEG-4_AVC, MPEG-4, Advanced Video Coding (Part 10) (H.264)
May contain	AAC_MP4, Advanced Audio Coding (MPEG-4)
May contain	AAC_MP4_LC, AAC (MPEG-4) Low Complexity Object
May contain	Additional audio, graphics, and scene graph stream types. Not documented at this time.

Local use 1

LC experience or existing	
Le experience of existing	
holdings	
notungs	
e	1

LC preference

Sustainability factors 1

Disclosure	Open standard. Developed through ISO technical program <u>JTC 1/SC 29</u> for coding of audio, picture, multimedia and hypermedia information by Working Group 11 (WG11) aka the Moving Picture Experts Group (<u>MPEG</u>).
Documentation	See MP4_FF_2 and MPEG-4_AVC.
Adoption	See MP4_FF_2.
Licensing and patents	See MP4_FF_2.
Transparency	See MPEG-4_AVC.
Self-documentation	See MP4_FF_2.
External dependencies	See MP4_FF_2.
Technical protection considerations	See MP4_FF_2.

Quality and functionality factors 1

Moving Image		
Normal rendering	See MP4_FF_2.	
Clarity (high image resolution)	See MPEG-4_AVC.	
Functionality beyond normal rendering	See MP4_FF_2.	
Sound		
Fidelity (high audio resolution)	See <u>MP4_FF_2</u> .	
Multiple channels	See MP4_FF_2.	
Functionality beyond normal rendering	See MP4_FF_2.	

File type signifiers and format identifiers

Tag	Value	Note
Filename extension	See related format.	See MP4_FF_2
Internet Media Type	See related format.	See MP4_FF_2
Magic numbers	See related format.	See MP4_FF_2
File type brand (ISO Base Media File Format)	See related format.	See MP4_FF_2

General	
History	

Format specifications 1

- ISO/IEC 14496-10:2003 Information technology -- Coding of audio-visual objects -- Part 10: Advanced Video Coding
- ISO/IEC 14496-14:2003 Information technology -- Coding of audio-visual objects -- Part 14: MP4 file format

Useful references

URLs

• See MP4_FF_2.

Last Updated: 08/04/2021

<u>Digital Preservation Home</u> | <u>Digital Formats Home</u>