

Media Specifications

Samsung Smart TV provides rich capabilities for media playback, including support for various media extensions, using the available audio and video decoders. This topic describes the media formats supported by Samsung Smart TV , and the limitations on their support.

Music

The following table lists the supported audio formats.

File Extension	Type	Codec	Limitations
*.mp3	MPEG	MPEG-1 Audio Layer III	-
*.m4a *.mpa *.aac	MPEG-4	AAC	
*.flac	FLAC	FLAC	
*.ogg	OGG	Vorbis	Up to 2 channels supported
*.wma	WMA	WMA	Up to WMA 10 Pro 5.1 channel supported WMA lossless audio not supported M2 profile supported
*.wav	WAV	WAV	-
*.mid *.midi	MIDI	MIDI	Type 0 and Type 1 supported USB mode supported SeekOnly not supported
*.ape	APE	APE	Not supported on non-Smart TV models
*.aif *.aiff	AIFF	AIFF	-
*.m4a	ALAC	ALAC	

Picture

The following table lists the supported image formats.

File Extension	Type	Resolution	Limitations
*.jpg *.jpeg	JPEG	15360x8640	-
*.png	PNG	4096x4096	-
*.bmp	BMP		-
*.mpo	MPO	15360x8640	The MPO format is partially supported.
*.heic	HEIF	12000x9000	HEIF supports only a single, grid-type image with a minimum resolution of at least 512 pixels in width or height

Important

The .heic file extension is supported since 2021 TVs.

MSE/ESE

The following table lists the supported W3C Media Source Extensions (MSE) and Encrypted Media Extensions (EME) specifications. These extensions allow you to use JavaScript to generate media streams for playback, and play DRM-enabled content without any third-party plugins.

TV Model Year	Platform	MSE	EME	DRM PlayReady	DRM Widevine
2014	Samsung Legacy Platform	02-Jul-2012 (MP4/FHD)	0.1b	PlayReady	No