

# Learn About Supported Media File Types for Uploading

## Overview

This article describes the containers and codecs that can be uploaded to Panopto. The MP4/MOV H.264 decoder is limited to 1080p for On-Prem customers running Windows Server 2008R2. We do not support file types with multi-track audio. To provide an optimal streaming experience, Panopto encodes into AAC/H264 and packages into HLS in multiple quality levels.

*Please note: Panopto Cloud supports a bitrate of 2.5 mbps. Any bitrate or resolution higher than this will be downscaled.*

## 1. ASF (Advanced Systems Format)

**Other Names:** WMV, WMA

**Accepted File Extensions:** .wmv, .asf, .wma

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
VC1/WMV3	Yes	Yes
WMV2	Yes	Yes
WMV1	Yes	Yes
Windows Media Screen Codec 1	Yes	Yes
Windows Media Screen Codec 2	Yes	Yes
GoToMeeting(v1, v2, and v3)	With side installation of GTM Codec Pack	Yes
H.264	With side installation of LAV/FFDShow	Yes
H.263/MPEG-4 Video	With side installation of LAV/FFDShow	Yes
H.262/MPEG-2 Video	With side installation of LAV/FFDShow	Yes
H.261/MPEG-1 Video	With side installation of LAV/FFDShow	Yes
MJPEG	Yes	Yes
Techsmith 1	Yes	With side install of Codec

## Accepted Audio Codecs

Codec	On-Prem Support	Cloud Support
WMA1	Yes	Yes
WMA2	Yes	Yes

WMA3 aka WMA9	Yes	Yes
WMA9 Pro	Yes	Yes
WMA9 Voice	Yes	Yes
WMA10 Voice	Yes	Yes
MP3	Yes	Yes
AAC	With side installation of LAV/FFDShow	Yes
PCM	Yes	Yes
AC3	With side installation of LAV/FFDShow	Yes

## 2. FLV Flash Video v1

**Accepted File Extensions:** .flv

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
Spark (aka Sorenson 3, and FLV1)	With side installation of LAV/FFDShow, and FLV Splitter	Yes
VP6	With side installation of LAV/FFDShow, and FLV Splitter	Ye

**Accepted Audio Codecs**

Codec	On-Prem Support	Cloud Support
MP3	With side installation of FLV Splitter	Yes
PCM	With side installation of FLV Splitter	Yes
AAC	With side installation of LAV/FFDShow, and FLV Splitter	Yes

## 3. FLV Flash Video v2 (aka F4V)

**Other Names:** Flash MP4

**Accepted File Extensions:** .f4v, .f4a

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
H.264	Yes	Yes

**Accepted Audio Codecs**

Codec	On-Prem Support	Cloud Support
AAC	Yes	Yes

## 4. AVI

**Other Names:** Audio Video Interlaced format

**Accepted File Extensions:** .avi

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
DV formats	Yes	Yes
Spark (aka Sorenson 3, and FLV1)	With side installation of LAV/FFDShow	Yes
GoToMeeting(v1, v2, and v3)	With side installation of GTM Codec Pack	Yes
H.264	With side installation of LAV/FFDShow	Yes
H.263/MPEG-4	With side installation of LAV/FFDShow	Yes
H.262/MPEG-2	With side installation of LAV/FFDShow	Yes
H.261/MPEG-1	With side installation of LAV/FFDShow	Yes
Techsmith 1	With side installation of Codec	Yes
MJPEG	Yes	Yes
VP6	With side installation of LAV/FFDShow	Yes

**Accepted Audio Codecs:**

Codec	On-Prem Support	Cloud Support
MP3	Yes	Yes
AAC	With side installation of LAV/FFDShow	Yes
PCM	Yes	Yes
AC3	With side installation of LAV/FFDShow	Yes

## 5. MP3

**Other Names:** MPEG-1 Audio Layer 3

**Accepted File Extensions:** .mp3

**Accepted Video Codecs:**

Not Applicable

**Accepted Audio Codecs:**

Codec	On-Prem Support	Cloud Support
MP3	Yes	Yes

## 6. MPEG-2 PS/MPEG1

**Other Names:** MPEG-2 Program Stream

**Accepted File Extensions:** .mpg, .mpeg, .mps, .ps, .mp2, .m2v, .m2a

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
H.264	With side installation of LAV/FFDShow	Yes
H.263/MPEG-4 Video	With side installation of LAV/FFDShow	Yes

H.262/MPEG-2 Video	With side installation of LAV/FFDShow	Yes
H.261/MPEG-1 Video	With side installation of LAV/FFDShow	Yes
MJPEG	Yes	Yes

### Accepted Audio Codecs

Codec	On-Prem Support	Cloud Support
WMA1	Yes	Yes
WMA2	Yes	Yes
WMA3 aka WMA9	Yes	Yes
WMA9 Pro	Yes	Yes
WMA9 Voice	Yes	Yes
WMA10 Voice	Yes	Yes
MP3	Yes	Yes
AAC	With side installation of LAV/FFDShow	Yes
PCM	Yes	Yes
AC3	With side installation of LAV/FFDShow	Yes

## 7. MPEG-2 TS

**Other Names:** MPEG-2 Transport Stream

**Accepted File Extensions:** .ts, .tsv, .tsa, .mts, .m2ts, .mpg, .mpeg, .mod, .tod

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
H.264	With side installation of LAV/FFDShow	Yes
H.263/MPEG-4 Video	With side installation of LAV/FFDShow	Yes
H.262/MPEG-2 Video	With side installation of LAV/FFDShow	Yes
H.261/MPEG-1 Video	With side installation of LAV/FFDShow	Yes
MJPEG	Yes	Yes

### Accepted Audio Codecs

Codec	On-Prem Support	Cloud Support
MP3	Yes	Yes
AAC	With side installation of LAV/FFDShow	Yes
PCM	Yes	Yes
AC3	With side installation of LAV/FFDShow	Yes

## 8. MOV

**Other Names:** Quicktime File Format, QTFF

**Accepted File Extensions:** .mov, .qt

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
H.264	Yes	Yes
H.263/MPEG-4 Video	Yes	Yes

**Accepted Audio Codecs**

Codec	On-Prem Support	Cloud Support
AAC	Yes	Yes

## 9. MP4

**Accepted File Extensions:** .mp4, .m4a, .m4v, .3gp

**Accepted Video Codecs:**

Codec	On-Prem Support	Cloud Support
H.264	Yes	Yes
H.263/MPEG-4 Video	Yes	Yes
AVC1	With side installation of LAV/FFDShow	Yes

**Accepted Audio Codecs:**

Codec	On-Prem Support	Cloud Support
AAC	Yes	Yes
MP3	Yes	Yes