

## Video Specifications

### Codec: H.264

A codec is the format in which your video will be encoded.

**PM360 accepts most major video codecs, but for best results we recommend using H.264.**

**High Definition (HD) video: High Profile H.264 setting.**

**Frame rate: 24, 25, or 30 FPS (Constant)**

**Advanced H.264 settings:**

- Closed GOP
- CABAC (to reduce your file size)

Here are some codecs **that will not work** on PM360: G2M2, G2M3, Canopus HQ.

Here are some codecs that will work: MP4, MOV, AVI

## Bit Rate

Bit rate (also known as data rate) controls the visual quality of the video and its file size. The rate is most often measured in kilobits per seconds (kbit/s). If your video editing software gives you the option, choose a “variable” bit rate and set the target to at least 2,000 kbit/s for standard definition (SD) video; 5,000 kbit/s for 720p HD video; or 10,000 kbit/s for 1080p HD video.

Quality	Bitrate (kbit/s)
SD	2,000 – 5,000
<b>720p</b>	<b>5,000 – 10,000</b>
<b>1080p</b>	<b>10,000 – 20,000</b>

### Resolution

- Common resolutions for SD video include 640 x 480 px (4:3 aspect ratio) & 640 x 360 px (16:9 aspect ratio).
- HD video is usually formatted at 720p (1280 x 720 px) or 1080p (1920 x 1080 px).

Format	Resolution	Format	Resolution
Standard Definition (SD)		Standard Definition (SD)	
4:3 aspect ratio	640 x 480 px	16:9 aspect ratio	640 x 360 px
720p HD Video			
16:9 aspect ratio	1280 x 720 px		
1080p HD Video			
16:9 aspect ratio	1920 x 1080 px		

### Audio

Codec: AAC-LC (Advanced Audio Codec)

*For best results, we recommend using AAC-LC (low complexity) for the audio codec.*

Data rate: 320 kbit/s

For best results, encode your audio at constant rate of 320 kbit/s.

Sample rate: 48 kHz

For best results, set your audio sample rate to 48 kHz. If your working setting is already less than or equal to 48 kHz, leave it as is.