

❖ **List of File format to store audio, video and image files:**

- **Audio:**
  1. Mp3
  2. WMA
  3. WAV
- **Image:**
  1. JPG
  2. PNG
  3. GIF
- **Video:**
  1. Mp4
  2. AVI
  3. WMV

Sr.no	Audio/video/image	File format	Advantage	Disadvantage	Comment
1.	Audio	Mp3	Reduced file size that is often smaller by a factor of 12 when compared to CD Digital Audio or CDDA. The audio quality is relatively comparable to the quality of uncompressed audio stored in compact discs.	The format is a lossy compression. This means it is actually not comparable to CDDA or other uncompressed formats in terms of audio quality.	
2.	Audio	WMA	Protecting the music copyrights and strongly preventing piracy by using DRM (Digital Rights Management) facility, which is embraced by	WMA format is proprietary and protected by DRM, compatibility can be a huge issue because of the less support from other platforms or various of mainstream devices, which makes this format's	

			musicians and music publishers.	advantage a disadvantage as well in some cases.	
3.	Audio	WAV	WAV files are lossless files. This means that the WAV file doesn't lose any of its quality when it is stored, whereas MP3 files are lossy files. Because WAV is lossless, WAV files can be considered High Fidelity, where MP3 files cannot.	WAV files don't have the same sorts of compression rates that MP3 files have. This means that a WAV file will be significantly larger than an MP3 file, taking up much more space on your computer's hard drive.	
4.	Image	JPG	Smaller file size.	Inflexible Application	
5.	Image	PNG	Wide Colour Depth	Bigger File Size	
6.	Image	GIF	Easy to made	Cannot edit again	
7.	Video	Mp4	One of the key advantages of the MP4 format is that it can be used on multiple platforms, thus making it easier to use and distribute.	Audio can drift out of sync with the video in some cases because of issues with codecs or codec-player compatibility.	
8.	Video	AVI	AVI file format offers high quality audio, to make it compatible with the DV standard, DV-AVI standard can be compressed unlike other audio/video	AVI file if compressed beyond certain limits result in the loss of video quality, AVI file format does not natively support MPEG-4	

			formats, it is developed by Microsoft as a file format for its media player applications that makes it playable with all the main Microsoft & non-Microsoft operating systems.	codec, it does not support subtitles and it tends to be larger than most video formats.	
9.	Video	WMV	WMV format contains a large quantity of video and audio information in smaller storage spaces. This makes WMV an ideal format for streaming videos over the Internet, as Microsoft originally intended.	Video transmission sometimes can be delayed.	