

Suggested Video Encoding Guide (Abridged)

MP500 Digital Media Appliance – NTSC Version

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Description of Document:

The purpose of this document is to provide information on encoding video for the CE labs MP500 players. The MP500 supports three main formats: Windows Media 9, MPEG-4 part 10 (h.264) and MPEG-2. Windows Media 9 can take the form of a WMV/WMA or VC-1. MPEG-2 can take the form of a program stream or transport stream. There are guidelines for encoding each of these formats, however, we suggest using the MPEG-4 container with the h.264 codec for optimized playback, which is specified below.

MP500 Video/Audio Encoding Settings For MPEG-4 (h.264 Codec)

Video Settings:

File Format: Mpeg 4

Frame rate: 23.97 or 29.97

Codec: H.264

Resolution: 1920 x 1080

Bit rate: Variable bit rate = Target: 10 Mbps Maximum: 12 Mbps

Audio Settings:

Codec: AAC(Mpeg 4)

Output Channels: Stereo

Frequency: 44.1 kHz or 48kHz

Bit rate: 192 kbps

Target of -12 dB



(Note: Frame rate and frequency will need to be the same as the source video being encoded)

Suggested programs for encoding content:

There are many types of video encoders that are available. Below is a list of encoders we have used to successfully encode video content for smooth playback on the MP500.

Adobe Media Encoder

QuickTime Pro

Wondershare Media Encoder