

# Suggested Video Encoding Guide

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## All-in-One Digital Media Appliances – 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 AiO89HD, AiO102HD, AiO156HD, AiO22HD, AiO32HD players. The AiO series supports three main formats: Quicktime, MPEG-4 part 10 (h.264) and MPEG-2. There are guidelines for encoding each of these formats, which are specified below.

#### **MPEG4 Encoding Settings**

*(1 second of black lead-in/lead out)*

##### **Video:**

File Format: MPEG4 part 10  
Frame rate: 23.97 or 29.97  
Codec: H.264  
Resolution: 1280 x 720  
Bit rate: Variable bit rate Maximum: 6 Mbps

##### **Audio:**

Codec: AAC(Mpeg 4)  
Output Channels: Stereo  
Frequency: 44.1 kHz or 48kHz  
Bit rate: 128 kbps  
Target of -12 dB

#### **MPEG2 Encoding Settings**

*(1 second of black lead-in/lead out)*

##### **Video:**

File Format: MPEG2  
Frame rate: 23.97 or 29.97  
Codec: MainConcept MPEG Video  
Resolution: 1280 x 720  
Bit rate: Variable bit rate Maximum: 12 Mbps

##### **Audio:**

Codec: MPEG  
16 bit  
Frequency: 44.1 kHz or 48kHz  
Bit rate: 128 kbps  
Target of -12 dB



#### **QuickTime Encoding Settings:**

##### **Video:**

File Format: QuickTime  
Frame rate: 23.97 or 29.97  
Codec: MPEG-4 Video  
Resolution: 1280x720  
Bit rate: Variable bit rate Maximum: 10Mbps

##### **Audio:**

Codec: AAC  
Frequency: 44.1 kHz  
Bit rate: 128kbps

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

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.

**Suggested programs for encoding content:** Adobe Media Encoder, QuickTime Pro, Wondershare Media Encoder