

# Conceptronic CM3H Codec List

## SUPPORTED CONTAINERS - SUMMARY

### NOTES

This is a summary of all supported containers, refer to the pages below for detailed information.

### AUDIO

AAC	Advanced Audio Coding	no
APE	Monkey's Audio	no
FLAC	Free Lossless Audio Codec	no
MP3	MPEG-1 Audio Layer 3	yes
Ogg	Ogg Vorbis	yes
PCM	Pulse Code Modulation	yes
WMA	Windows Media Audio	see details

### VIDEO

3GP	Third Generation Partnership Project	no
AVI	Audio Video Interleave	yes
DivX	DivX	yes
DVR-MS	Microsoft Digital Video Recording	no
EVO	Enhanced VOB	no
FLV	Flash Video	no
MPEG-2 TS	Transport Stream	no
MKV	Matroska	no
MP4	MPEG-4 Part 14	no
MPEG	MPEG Video File	yes
QuickTime	Apple QuickTime	no
VOB	MPEG Video Object	yes
WMV	Windows Media Video	no

### SUBTITLES

IDX, SUB	VobSub (Bitmap based subtitle format)	unknown
ASS, SSA	SubStation Alpha	yes
PSB	PowerDivX	unknown
RT	RealText	unknown
SMI	SAMI	yes
SRT	SubRip	yes
SSF	Structured Subtitle Format	unknown
SUB	MicroDVD	unknown
SUB	SubViewer	unknown
TXT	Text File	yes
USF	Universal Subtitle Format	unknown

### PICTURES

BMP	Windows Bitmap	no
GIF	Graphics Interchange Format	no
HD Photo	HD Photo / Windows Media Photo	no
JPEG	Joint Photographics Experts Group	yes
JPEG 2000	Joint Photographics Experts Group 2000	no
PNG	Portable Network Graphics	no
TIFF	Tagged Image File Format	no

## AUDIO CONTAINERS - DETAILED

### AAC ( Advanced Audio Coding )

<i>File extensions</i>	AAC, MP4, M4A, M4B, M4P, M4R, M4V, 3GP	
<i>Codecs</i>	AAC ( AAC-LC )	no
	Apple Lossless ( ALE / ALAC )	no
	HE-AAC ( aacPlus v1 / AAC+ )	no
	HE-AAC v2 ( aacPlus v2 / eAAC+ )	no
<i>Extra features</i>	ID3 tag support	n/a
	VBR support	n/a
<i>Notes</i>		

### APE ( Monkey's Audio )

<i>File extensions</i>	APE	
<i>Codecs</i>	APE	no
<i>Extra features</i>	APEv1 tag support	n/a
	APEv2 tag support	n/a
<i>Notes</i>		

### FLAC ( Free Lossless Audio Codec )

<i>File extensions</i>	FLAC	
<i>Codecs</i>	FLAC	no
<i>Extra features</i>	Tag (Vorbis comment) support	n/a
<i>Notes</i>		

### MP3 ( MPEG-1 Audio Layer 3 )

<i>File extensions</i>	MP3	
<i>Codecs</i>	MP3 ( MPEG-1 Layer 3 )	yes
	mp3PRO	yes
<i>Extra features</i>	ID3v1 tag support	no
	ID3v2 tag support	no
	VBR support	yes
<i>Notes</i>		

### Ogg ( Ogg Vorbis )

<i>File extensions</i>	OGG, OGA	
<i>Codecs</i>	Ogg	yes
<i>Extra features</i>	Tag (Vorbis comment) support	no
<i>Notes</i>		

### PCM ( Pulse Code Modulation )

<i>File extensions</i>	WAV, AIFF, AIF	
<i>Codecs</i>	PCM	yes
<i>Extra features</i>	-	
<i>Notes</i>	AIFF and AIF extensions are not supported.	

### WMA ( Windows Media Audio )

<i>File extensions</i>	WMA	
<i>Codecs</i>	WMA	yes
	WMA Lossless	no
	WMA Pro	no
	WMA Voice	unknown
<i>Extra features</i>	ID3v1 tag support	no
	ID3v2 tag support	no
	VBR support (WMA and WMA Pro only)	see notes
<i>Notes</i>	VBR is only supported for WMA, not for WMA Pro.	

## VIDEO CONTAINERS - DETAILED

<b>3GP ( Third Generation Partnership Project )</b>		
<i>File extensions</i>	3GP, 3G2	
<i>Video codecs</i>	H.263	no
	H.264 / MPEG-4 AVC	no
	MPEG-4	no
<i>Audio codecs</i>	AAC	no
	AMR-NB/WB	no
	AMR-WB+	no
	HE-AAC	no
<i>Embedded subtitles</i>	3GPP Timed Text	n/a
<i>Extra features</i>	-	
<i>Notes</i>		

<b>AVI ( Audio Video Interleave )</b>		
<i>File extensions</i>	AVI	
<i>Video codecs</i>	DivX ( MPEG-4 ASP / Part 2 )	yes
	DVSD	no
	M-JPEG	unknown
	MPEG-1	unknown
	MPEG-2	unknown
	WMV	unknown
	Xvid ( MPEG-4 ASP / Part 2 )	yes
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	unknown
	DTS	unknown
	MP3 ( MPEG-1 Layer 3 )	yes
	WMA	unknown
<i>Embedded subtitles</i>	-	
<i>Extra features</i>	-	
<i>Notes</i>		

<b>DivX ( DivX )</b>		
<i>File extensions</i>	DIVX	
<i>Video codecs</i>	DivX ( MPEG-4 ASP / Part 2 )	yes
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	yes
	MP3 ( MPEG-1 Layer 3 )	yes
<i>Subtitles</i>	XSUB	yes
<i>Extra features</i>	Chapter points	no
	Interactive menus	no
	Multiple audio tracks	yes
	Multiple subtitles	yes
<i>Notes</i>		

<b>DVR-MS ( Microsoft Digital Video Recording )</b>		
<i>File extensions</i>	DVR-MS	
<i>Video codecs</i>	MPEG-2	no
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	no
	MP3 ( MPEG-1 Layer 3 )	no
<i>Subtitles</i>	-	
<i>Extra features</i>	-	
<i>Notes</i>		

<b>EVO ( Enhanced VOB )</b>		
<i>File extensions</i>	EVO	
<i>Video codecs</i>	H.264 ( MPEG-4 AVC / Part 10 )	no
	MPEG-2	no
	VC-1	no
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	no
	Dolby TrueHD	no
	DTS	no
	DTS-HD	no
	E-AC3 ( Dolby Digital Plus )	no
	MPEG-2 Part 3	no
	PCM	no
	<i>Subtitles</i>	?
<i>Extra features</i>	Chapter points	n/a
	Interactive menus	n/a
	Multiple audio tracks	n/a
	Multiple subtitles	n/a
	ISO support	n/a
<i>Notes</i>		
<b>FLV ( Flash Video )</b>		
<i>File extensions</i>	FLV, F4V, F4P, F4A, F4B	
<i>Video codecs</i>	H.264 ( MPEG-4 AVC / Part 10 )	no
<i>Audio codecs</i>	HE-AAC ( aacPlus / AAC+ )	no
	MP3 ( MPEG-1 Layer 3 )	no
<i>Subtitles</i>	-	
<i>Extra features</i>	-	
<i>Notes</i>		
<b>MPEG-2 TS ( Transport Stream )</b>		
<i>File extensions</i>	TS, M2TS	
<i>Video codecs</i>	H.264 ( MPEG-4 AVC / Part 10 )	no
	MPEG-2	no
	VC-1	no
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	no
	Dolby TrueHD	no
	DTS	no
	DTS-HD	no
	E-AC3 ( Dolby Digital Plus )	no
	MP3 ( MPEG-1 Layer 3 )	no
	PCM	no
	<i>Subtitles</i>	Presentation Graphics Stream ( M2TS only )
<i>Extra features</i>	Chapter points	n/a
	Interactive menus	n/a
	Multiple audio tracks	n/a
	Multiple subtitles	n/a
	ISO support	n/a
<i>Notes</i>		

<b>MKV ( Matroska )</b>		
<i>File extensions</i>	MKV	
<i>Video codecs</i>	DivX ( MPEG-4 ASP / Part 2 )	no
	H.264 ( MPEG-4 AVC / Part 10 )	no
	MPEG-1	no
	MPEG-2	no
	MPEG-4 ASP	no
	VC-1	no
	WMV	no
	Xvid ( MPEG-4 ASP / Part 2 )	no
<i>Audio codecs</i>	AAC ( AAC-LC )	no
	AC-3 ( Dolby Digital )	no
	DTS	no
	E-AC3 ( Dolby Digital Plus )	no
	HE-AAC ( aacPlus v1 / AAC+ )	no
	HE-AAC v2 ( aacPlus v2 / eAAC+ )	no
	MP3 ( MPEG-1 Layer 3 )	no
	Ogg Vorbis	no
	PCM	no
	WMA	no
	<i>Subtitles</i>	IDX
SMI		n/a
SRT		n/a
SSA ( ASS )		n/a
SUB		n/a
TTXT		n/a
<i>Extra features</i>	Chapter points	n/a
	Interactive menus	n/a
	Multiple audio tracks	n/a
	Multiple subtitles	n/a
<i>Notes</i>		
<b>MP4 ( MPEG-4 Part 14 )</b>		
<i>File extensions</i>	MP4	
<i>Video codecs</i>	DivX ( MPEG-4 ASP / Part 2 )	no
	H.263	no
	H.264 ( MPEG-4 AVC / Part 10 )	no
	MPEG-1	no
	MPEG-2	no
	Xvid ( MPEG-4 ASP / Part 2 )	no
<i>Audio codecs</i>	AAC ( AAC-LC )	no
	Apple Lossless ( ALE / ALAC )	no
	HE-AAC ( aacPlus v1 / AAC+ )	no
	MP3 ( MPEG-1 Layer 3 )	no
<i>Subtitles</i>	TTXT	n/a
<i>Extra features</i>	Chapter points ( Nero Digital )	n/a
<i>Notes</i>		

<b>MPEG ( MPEG Video File )</b>		
<i>File extensions</i>	MPEG, MPG, DAT	
<i>Video codecs</i>	MPEG-1	yes
	MPEG-2	yes
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	unknown
	MP3 ( MPEG-1 Layer 3 )	yes
	PCM	unknown
<i>Subtitles</i>	-	
<i>Extra features</i>	-	
<i>Notes</i>		
<b>QuickTime ( Apple QuickTime )</b>		
<i>File extensions</i>	MOV, QT	
<i>Video codecs</i>	H.263	no
	H.264 ( MPEG-4 AVC / Part 10 )	no
	MPEG-1	no
	MPEG-2	no
<i>Audio codecs</i>	AAC ( AAC-LC )	no
	AC-3 ( Dolby Digital )	no
	Apple Lossless ( ALE / ALAC )	no
	DTS	no
	HE-AAC ( aacPlus v1 / AAC+ )	no
	HE-AAC v2 ( aacPlus v2 / eAAC+ )	no
	MP3 ( MPEG-1 Layer 3 )	no
PCM	no	
<i>Subtitles</i>	?	n/a
<i>Extra features</i>	Chapter points	n/a
<i>Notes</i>		
<b>VOB ( MPEG Video Object )</b>		
<i>File extensions</i>	VOB, IFO	
<i>Video codecs</i>	MPEG-2	yes
<i>Audio codecs</i>	AC-3 ( Dolby Digital )	yes
	DTS	see notes
	PCM	yes
<i>Subtitles</i>	VOB	yes
<i>Extra features</i>	Chapter points	yes
	Interactive menus	yes
	Multiple audio tracks	yes
	Multiple subtitles	yes
	ISO, IMG support	yes
<i>Notes</i>	DTS only support S/PDIF pass through.	
<b>WMV ( Windows Media Video )</b>		
<i>File extensions</i>	WMV	
<i>Video codecs</i>	WMV	no
	VC-1	no
<i>Audio codecs</i>	WMA	no
<i>Subtitles</i>	?	n/a
<i>Extra features</i>	Chapter points	n/a
	Multiple audio tracks	n/a
	Multiple subtitles	n/a
<i>Notes</i>		

## PICTURES - DETAILED

<b>BMP ( Windows Bitmap )</b>		
<i>File extensions</i>	BMP, DIB	
<i>Codecs</i>	BMP	no
<i>Extra features</i>	-	
<i>Notes</i>		

<b>GIF ( Graphics Interchange Format )</b>		
<i>File extensions</i>	GIF	
<i>Codecs</i>	GIF	no
<i>Extra features</i>	-	
<i>Notes</i>		

<b>HD Photo ( HD Photo / Windows Media Photo )</b>		
<i>File extensions</i>	HDP, WDP	
<i>Codecs</i>	HD Photo	no
<i>Extra features</i>	EXIF support	n/a
<i>Notes</i>		

<b>JPEG ( Joint Photographics Experts Group )</b>		
<i>File extensions</i>	JPG, JPEG, JPE	
<i>Codecs</i>	JPEG	yes
<i>Extra features</i>	EXIF support	no
<i>Notes</i>		

<b>JPEG 2000 ( Joint Photographics Experts Group 2000 )</b>		
<i>File extensions</i>	JP2, J2K	
<i>Codecs</i>	JPEG 2000	no
<i>Extra features</i>	EXIF support	n/a
<i>Notes</i>		

<b>PNG ( Portable Network Graphics )</b>		
<i>File extensions</i>	PNG	
<i>Codecs</i>	PNG	no
<i>Extra features</i>	-	
<i>Notes</i>		

<b>TIFF ( Tagged Image File Format )</b>		
<i>File extensions</i>	TIFF, TIF	
<i>Codecs</i>	TIFF	no
<i>Extra features</i>	EXIF support	n/a
<i>Notes</i>		