

# Conceptronic Media Titan 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     | see details |
| APE  | Monkey's Audio            | unknown     |
| 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               | see details |
| DivX      | DivX                                 | yes         |
| DVR-MS    | Microsoft Digital Video Recording    | no          |
| EVO       | Enhanced VOB                         | no          |
| FLV       | Flash Video                          | no          |
| MPEG-2 TS | Transport Stream                     | yes         |
| MKV       | Matroska                             | yes         |
| MP4       | MPEG-4 Part 14                       | yes         |
| MPEG      | MPEG Video File                      | yes         |
| QuickTime | Apple QuickTime                      | yes         |
| VOB       | MPEG Video Object                    | see details |
| WMV       | Windows Media Video                  | yes         |

### SUBTITLES

|          |                                       |     |
|----------|---------------------------------------|-----|
| IDX, SUB | VobSub (Bitmap based subtitle format) | no  |
| ASS, SSA | SubStation Alpha                      | no  |
| PSB      | PowerDivX                             | no  |
| RT       | RealText                              | no  |
| SMI      | SAMI                                  | no  |
| SRT      | SubRip                                | yes |
| SSF      | Structured Subtitle Format            | no  |
| SUB      | MicroDVD                              | no  |
| SUB      | SubViewer                             | no  |
| TXT      | Text File                             | no  |
| USF      | Universal Subtitle Format             | no  |

### PICTURES

|           |  |     |
|-----------|--|-----|
| BMP       | Windows Bitmap                         | yes |
| GIF       | Graphics Interchange Format            | yes |
| 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              | yes |
| TIFF      | Tagged Image File Format               | yes |

## 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 )                                  | yes     |
|                        | Apple Lossless ( ALE / ALAC )                   | no      |
|                        | HE-AAC ( aacPlus v1 / AAC+ )                    | unknown |
|                        | HE-AAC v2 ( aacPlus v2 / eAAC+ )                | unknown |
| <i>Extra features</i>  | ID3 tag support                                 | yes     |
|                        | VBR support                                     | yes     |
| <i>Notes</i>           | No support for the M4B, M4P and M4R extensions. |         |

### APE ( Monkey's Audio )

|                        |                   |         |
|------------------------|-------------------|---------|
| <i>File extensions</i> | APE               |         |
| <i>Codecs</i>          | APE               | unknown |
| <i>Extra features</i>  | APEv1 tag support | unknown |
|                        | APEv2 tag support | unknown |
| <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 | no |
| <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      | yes |
|                        | ID3v2 tag support      | yes |
|                        | 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      | yes |
| <i>Notes</i>           | No support for the OGA extension. |     |

### PCM ( Pulse Code Modulation )

|                        |   |     |
|------------------------|---|-----|
| <i>File extensions</i> | WAV, AIFF, AIF                              |     |
| <i>Codecs</i>          | PCM   | yes |
| <i>Extra features</i>  | -   |     |
| <i>Notes</i>           | No support for the AIFF and AIF extensions. |     |

### WMA ( Windows Media Audio )

|                        |                                    |         |
|------------------------|------------------------------------|---------|
| <i>File extensions</i> | WMA                                |         |
| <i>Codecs</i>          | WMA                                | yes     |
|                        | WMA Lossless                       | no      |
|                        | WMA Pro                            | yes     |
|                        | WMA Voice                          | unknown |
| <i>Extra features</i>  | ID3v1 tag support                  | yes     |
|                        | ID3v2 tag support                  | yes     |
|                        | VBR support (WMA and WMA Pro only) | yes     |
| <i>Notes</i>           | -                                  |         |

## VIDEO CONTAINERS - DETAILED

### 3GP ( Third Generation Partnership Project )

|                           |                    |    |
|---------------------------|--------------------|----|
| <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    |    |
| <i>Extra features</i>     | -                  |    |
| <i>Notes</i>              | -                  |    |

### AVI ( Audio Video Interleave )

|                           |                                       |         |
|---------------------------|---------------------------------------|---------|
| <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>              | DivX HD movies are not yet supported. |         |

### DivX ( DivX )

|                        |                                  |         |
|------------------------|----------------------------------|---------|
| <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                             | no      |
| <i>Extra features</i>  | Chapter points                   | unknown |
|                        | Interactive menus                | unknown |
|                        | Multiple audio tracks            | yes     |
|                        | Multiple subtitles               | no      |
| <i>Notes</i>           | HD movies are not yet supported. |         |

### DVR-MS ( Microsoft Digital Video Recording )

|                        |                        |    |
|------------------------|------------------------|----|
| <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                 | no   |
|                                       | Interactive menus              | no   |
|                                       | Multiple audio tracks          | no   |
|                                       | Multiple subtitles             | no   |
|                                       | ISO support                    | no   |
| <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, MTS                  |  |
| <i>Video codecs</i>                   | H.264 ( MPEG-4 AVC / Part 10 ) | yes  |
|                                       | MPEG-2                         | yes  |
|                                       | VC-1                           | yes  |
| <i>Audio codecs</i>                   | AC-3 ( Dolby Digital )         | yes  |
|                                       | Dolby TrueHD                   | no   |
|                                       | DTS                            | yes  |
|                                       | DTS-HD                         | no   |
|                                       | E-AC3 ( Dolby Digital Plus )   | no   |
|                                       | MP3 ( MPEG-1 Layer 3 )         | unknown                                    |
|                                       | PCM                            | yes  |
|                                       | <i>Subtitles</i>               | Presentation Graphics Stream ( M2TS only ) |
| <i>Extra features</i>                 | Chapter points                 | unknown                                    |
|                                       | Interactive menus              | no   |
|                                       | Multiple audio tracks          | yes  |
|                                       | Multiple subtitles             | no   |
|                                       | ISO support                    | unknown                                    |
| <i>Notes</i>                          | No support for MTS extension.  |  |

| <b>MKV ( Matroska )</b>       |                                  |         |
|-------------------------------|----------------------------------|---------|
| <i>File extensions</i>        | MKV                              |         |
| <i>Video codecs</i>           | DivX ( MPEG-4 ASP / Part 2 )     | unknown |
|                               | H.264 ( MPEG-4 AVC / Part 10 )   | yes     |
|                               | MPEG-1                           | unknown |
|                               | MPEG-2                           | unknown |
|                               | MPEG-4 ASP                       | unknown |
|                               | VC-1                             | unknown |
|                               | WMV                              | unknown |
|                               | Xvid ( MPEG-4 ASP / Part 2 )     | unknown |
| <i>Audio codecs</i>           | AAC ( AAC-LC )                   | unknown |
|                               | AC-3 ( Dolby Digital )           | yes     |
|                               | DTS                              | yes     |
|                               | E-AC3 ( Dolby Digital Plus )     | no      |
|                               | HE-AAC ( aacPlus v1 / AAC+ )     | unknown |
|                               | HE-AAC v2 ( aacPlus v2 / eAAC+ ) | unknown |
|                               | MP3 ( MPEG-1 Layer 3 )           | unknown |
|                               | Ogg Vorbis                       | unknown |
|                               | PCM                              | unknown |
|                               | WMA                              | unknown |
| <i>Subtitles</i>              | IDX                              | unknown |
|                               | SMI                              | unknown |
|                               | SRT                              | unknown |
|                               | SSA ( ASS )                      | unknown |
|                               | SUB                              | unknown |
|                               | TTXT                             | unknown |
| <i>Extra features</i>         | Chapter points                   | unknown |
|                               | Interactive menus                | unknown |
|                               | Multiple audio tracks            | unknown |
|                               | Multiple subtitles               | unknown |
| <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 )     | unknown |
|                               | H.263                            | unknown |
|                               | H.264 ( MPEG-4 AVC / Part 10 )   | yes     |
|                               | MPEG-1                           | unknown |
|                               | MPEG-2                           | unknown |
|                               | Xvid ( MPEG-4 ASP / Part 2 )     | unknown |
| <i>Audio codecs</i>           | AAC ( AAC-LC )                   | yes     |
|                               | Apple Lossless ( ALE / ALAC )    | unknown |
|                               | HE-AAC ( aacPlus v1 / AAC+ )     | unknown |
|                               | MP3 ( MPEG-1 Layer 3 )           | unknown |
| <i>Subtitles</i>              | TTXT                             | unknown |
| <i>Extra features</i>         | Chapter points ( Nero Digital )  | unknown |
| <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 )           | yes     |
|                                      | MP3 ( MPEG-1 Layer 3 )           | yes     |
|                                      | PCM                              | unknown |
| <i>Subtitles</i>                     | -                                |         |
| <i>Extra features</i>                | -                                |         |
| <i>Notes</i>                         | No support for DAT extension.    |         |
| <b>QuickTime ( Apple QuickTime )</b> |                                  |         |
| <i>File extensions</i>               | MOV, QT                          |         |
| <i>Video codecs</i>                  | H.263                            | unknown |
|                                      | H.264 ( MPEG-4 AVC / Part 10 )   | yes     |
|                                      | MPEG-1                           | unknown |
|                                      | MPEG-2                           | unknown |
| <i>Audio codecs</i>                  | AAC ( AAC-LC )                   | yes     |
|                                      | AC-3 ( Dolby Digital )           | unknown |
|                                      | Apple Lossless ( ALE / ALAC )    | unknown |
|                                      | DTS                              | unknown |
|                                      | HE-AAC ( aacPlus v1 / AAC+ )     | unknown |
|                                      | HE-AAC v2 ( aacPlus v2 / eAAC+ ) | unknown |
|                                      | MP3 ( MPEG-1 Layer 3 )           | unknown |
|                                      | PCM                              | unknown |
| <i>Subtitles</i>                     | ?                                |         |
| <i>Extra features</i>                | Chapter points                   | unknown |
| <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                              | yes     |
|                                      | PCM                              | unknown |
| <i>Subtitles</i>                     | VOB                              | no      |
| <i>Extra features</i>                | Chapter points                   | no      |
|                                      | Interactive menus                | no      |
|                                      | Multiple audio tracks            | no      |
|                                      | Multiple subtitles               | no      |
|                                      | ISO support                      | no      |
| <i>Notes</i>                         | No support for IFO yet.          |         |
| <b>WMV ( Windows Media Video )</b>   |                                  |         |
| <i>File extensions</i>               | WMV                              |         |
| <i>Video codecs</i>                  | WMV                              | yes     |
|                                      | VC-1                             | yes     |
| <i>Audio codecs</i>                  | WMA                              | yes     |
| <i>Subtitles</i>                     | ?                                |         |
| <i>Extra features</i>                | Chapter points                   | unknown |
|                                      | Multiple audio tracks            | unknown |
|                                      | Multiple subtitles               | unknown |
| <i>Notes</i>                         | -                                |         |

## PICTURES - DETAILED

| <b>BMP ( Windows Bitmap )</b> |                               |     |
|-------------------------------|-------------------------------|-----|
| <i>File extensions</i>        | BMP, DIB                      |     |
| <i>Codecs</i>                 | BMP                           | yes |
| <i>Extra features</i>         | -                             |     |
| <i>Notes</i>                  | No support for DIB extension. |     |

| <b>GIF ( Graphics Interchange Format )</b> |     |     |
|--|-----|-----|
| <i>File extensions</i>                     | GIF |     |
| <i>Codecs</i>                              | GIF | yes |
| <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 | no |
| <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                  | yes |
| <i>Notes</i>                                      | No support for JPE extension. |     |

| <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 | no |
| <i>Notes</i>  | -            |    |

| <b>PNG ( Portable Network Graphics )</b> |     |     |
|--|-----|-----|
| <i>File extensions</i>                   | PNG |     |
| <i>Codecs</i>                            | PNG | yes |
| <i>Extra features</i>                    | -   |     |
| <i>Notes</i>                             | -   |     |

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