

Technical Information about the XF305 / XF300

This document provides technical information regarding Canon HD Camcorders XF305 / XF300. Please read this information carefully prior to using the camcorder.

System Requirements for Canon XF Utility

| | | |
|------------------------------|--|--|
| OS | Windows XP, SP2 or SP3 (32-bit version only) Windows Vista, SP1 or SP2 (32-bit or 64-bit version) Windows 7 (32-bit or 64-bit version) | Mac OS X v10.4, v10.5 or v10.6 |
| CPU | Intel® Core or equivalent (Intel® Core 2 Duo, 2.66 GHz or better recommended); SSE2 compatible. | Intel® CPU (not compatible with Power PC; Intel® Core 2 Duo 2.66 GHz or better recommended) |
| RAM | 1 GB or more (2 GB or more for Windows 7, 64-bit version) | |
| Available hard disk space | 80 GB or more (for installation) | |
| Display | 1024×768, 16-bit color (High Color) or better | 1024×768, 32,000 colors or better |

Correct operation of the software cannot be guaranteed in all computers, even if they meet the above system requirements.

For Apple Final Cut Pro Users

The following restrictions apply regarding the use of clips recorded with a Canon HD camcorder XF305 / XF300 with Apple Final Cut Pro.

| | |
|---|---|
| 1 | When ingesting clips that were recorded using the following video configurations: [1] 50 Mbps (4:2:2), 1280x720, 30P, [2] 50 Mbps (4:2:2), 1280x720, 25P or [3] 50 Mbps (4:2:2), 1280x720, 24P, the clips cannot be used in Final Cut Pro if Native is selected in the "Transcode to" ("Target Format") column. Select instead one of the ProRes422 options. (Correct as of July 2010.) |
| 2 | In the Log and Transfer window, relay clips (clips recorded spanning two or more CF cards) are not handled as one clip but are instead treated and ingested as separate, independent clips. |
| 3 | When ingesting clips with Native selected in the "Transcode to" ("Target Format") column, a name other than Canon will appear in the Compressor field. Nevertheless, the clips will be correctly ingested and you will be able to use them without any problem. (Correct as of July 2010.) |

| Camcorder Settings | | | Compatibility |
|--------------------|---------------|------------|------------------------|
| Resolution | Bit Rate | Frame Rate | (As verified by Canon) |
| 1920x1080 | 50 Mbps / CBR | 59.94i | ✓ |
| | | 50i | ✓ |
| | | 29.97p | ✓ |
| | | 25p | ✓ |
| | | 23.98p | ✓ |
| | 35 Mbps / VBR | 59.94i | ✓ |
| | | 50i | ✓ |
| | | 29.97p | ✓ |
| | | 25p | ✓ |
| | | 23.98p | ✓ |
| 1440x1080 | 25 Mbps / CBR | 59.94i | ✓ |
| | | 50i | ✓ |
| | | 29.97p | ✓ |
| | | 25p | ✓ |
| | | 23.98p | ✓ |
| 1280x720 | 50 Mbps / CBR | 59.94p | ✓ |
| | | 50p | ✓ |
| | | 29.97p | See note 1 |
| | | 25p | See note 1 |
| | | 23.98p | See note 1 |
| | 35 Mbps / VBR | 59.94p | ✓ |
| | | 50p | ✓ |
| | | 29.97p | ✓ |
| | | 25p | ✓ |
| | | 23.98p | ✓ |

For Avid Media Composer / NewsCutter Users

The following restrictions apply regarding the use of clips recorded with a Canon HD camcorder XF305 / XF300 with Media Composer or NewsCutter.

| | |
|---|--|
| 1 | Clips that were recorded using the 50 Mbps (4:2:2), 1280x720, 24P video configuration cannot be used with Media Composer 4.0.5 / 5.0.0 or NewsCutter 8.0.5 / 9.0.0. Upgrade to Media Composer 5.0.1 or NewsCutter 9.0.1 to use said clips. (Correct as of July 2010.) |
| 2 | Clips recorded using the 25 Mbps (4:2:0), 1440x1080, 30P video configuration will be treated by Media Composer or NewsCutter as 60i clips. To edit a video project as a 30p project, please use clips recorded using the 50 Mbps (4:2:2), 30P or 35 Mbps (4:2:2), 30P video configurations. (Correct as of July 2010.) |
| 3 | When linking MXF files using the Link to AMA File(s) menu option, a name other than Canon may appear in the Video properties. Nevertheless, the clips will be correctly linked and you will be able to use the clips without any problem. (Correct as of July 2010.) |

| Camcorder Settings | | | Compatibility (As verified by Canon) | | | |
|--------------------|---------------|------------|--------------------------------------|-------------|------------|-------------|
| | | | Media Composer | | NewsCutter | |
| Resolution | Bit Rate | Frame Rate | 5.0.1 | 4.0.1/5.0.0 | 9.0.1 | 8.0.5/9.0.0 |
| 1920x1080 | 50 Mbps / CBR | 59.94i | ✓ | ✓ | ✓ | ✓ |
| | | 50i | ✓ | ✓ | ✓ | ✓ |
| | | 29.97p | ✓ | ✓ | ✓ | ✓ |
| | | 25p | ✓ | ✓ | ✓ | ✓ |
| | | 23.98p | ✓ | ✓ | ✓ | ✓ |
| | 35 Mbps / VBR | 59.94i | ✓ | ✓ | ✓ | ✓ |
| | | 50i | ✓ | ✓ | ✓ | ✓ |
| | | 29.97p | ✓ | ✓ | ✓ | ✓ |
| | | 25p | ✓ | ✓ | ✓ | ✓ |
| | | 23.98p | ✓ | ✓ | ✓ | ✓ |
| 1440x1080 | 25 Mbps / CBR | 59.94i | ✓ | ✓ | ✓ | ✓ |
| | | 50i | ✓ | ✓ | ✓ | ✓ |
| | | 29.97p | See note 2 | See note 2 | See note 2 | See note 2 |
| | | 25p | ✓ | ✓ | ✓ | ✓ |
| | | 23.98p | ✓ | ✓ | ✓ | ✓ |
| 1280x720 | 50 Mbps / CBR | 59.94i | ✓ | ✓ | ✓ | ✓ |
| | | 50i | ✓ | ✓ | ✓ | ✓ |
| | | 29.97p | ✓ | See note 1 | ✓ | See note 1 |
| | | 25p | ✓ | ✓ | ✓ | ✓ |
| | | 23.98p | ✓ | ✓ | ✓ | ✓ |
| | 35 Mbps / VBR | 59.94i | ✓ | ✓ | ✓ | ✓ |
| | | 50i | ✓ | ✓ | ✓ | ✓ |
| | | 29.97p | ✓ | ✓ | ✓ | ✓ |
| | | 25p | ✓ | ✓ | ✓ | ✓ |
| | | 23.98p | ✓ | ✓ | ✓ | ✓ |