

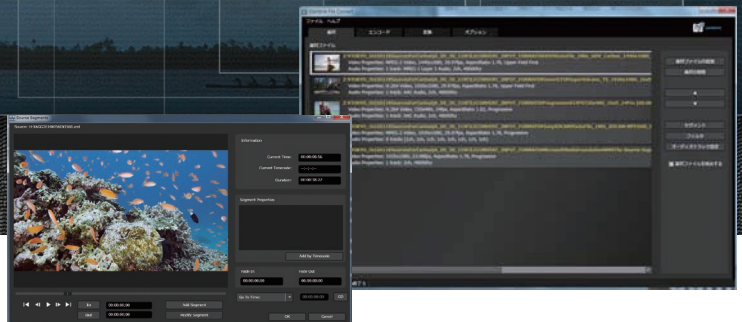
# Easy Transcoding of 4K Content for All Devices!

High-quality, File-based Transcoding Software for Web,  
Mobile, IPTV, and Broadcast Applications

## FileConverter 4K FC4000

Recent video delivery services for the various devices (PC, 4KTV, Smartphone, Tablet, etc.) require more and more transcoding formats such as XAVC for 4K video contents and H.265/HEVC for the video codec.

“FileConverter 4K FC4000” is a file transcoding application on Windows that supports H.264/AVC and H.265/HEVC. It also supports the current adaptive streamings for VOD files to the multi-devices such as HLS, Smooth-Streaming, and MPEG-DASH.



### POINT 1 A Variety of Input File Formats

Various formats of Input files are available, such as AVI and Windows Media for the PC, HDV for broadcast, and XAVC. Output files are high quality H.264 and H.265 files.

### POINT 2 H.265/HEVC Realizes Smooth 4K Video Conversion with High Quality

The rate control is unique technology developed by NTT video CODEC research and development over many years. Stable encoding with a constant bit rate specified by the user is possible, even when the characteristics of the image are changing.

### POINT 3 Cooperation with other systems is easy

Cooperation with other systems is easy by job management, a watch folder function, post processing (a mail delivery and command execution), and REST-API.

## Function

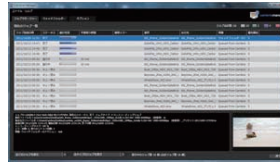
### Video and Audio Filter Support

Audio and video filters included in FileConverter 4K FC4000 include logo insertion, title insertion, auto crop, timecode burn-in, source properties modification, color modification filters, and many more.



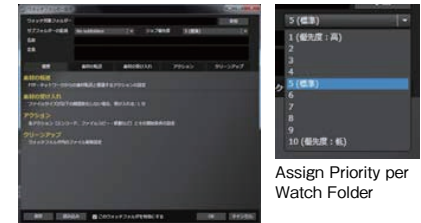
### Job Manager

Job Manager monitors and controls current, queued, completed, and failed conversions. A diagnostic mode allows you to requeue conversion failures, troubleshoot problems, and change the priority level for any job. It also has a benchmark tool to check your basic encoding speed.



### Watch Folder Feature

Watch Folder Feature automates batch transcoding jobs for the users who need to simply define specific folders with presets and drop video files in the folders. It also supports post-conversion tasks such as FTP/network retrieval and email notification upon the job start.



## Specification

### Import File Formats (~HD):

Input Format	Container	Video Codec	Audio Codec
Flash Video	F4V	H.264	MPEG-2 AAC
Generic MP4	MP4	H.264	MPEG-2 AAC
Generic TS	MPEG-2 TS	H.264	MPEG-2 AAC, MPEG-1 Layer-2, AC-3*1
		MPEG-2	MPEG-2 AAC, MPEG-1 Layer-2, AC-3*1
Generic PS	MPEG-2 PS	MPEG-2	MPEG-2 AAC, MPEG-1 Layer-2, AC-3*1
	MPEG-1 PS	MPEG-1	MPEG-2 AAC, MPEG-1 Layer-2, AC-3*1
DVD	VOD	MPEG-2	Liner PCM, AC-3*1
HDV	MPEG-2 TS	MPEG-2	MPEG-1 Layer 2
Capella Intermediate	INTERIM	Uncompressed	Linear PCM
		H.264	Linear PCM
Panasonic P2	MXF	DVCPRO, DVCPRO 50, DVCPRO HD	Linear PCM
		AVCI 50, AVCI 100	Linear PCM
		IEC DV25	Linear PCM

### Import File Formats for 4K:

Input Format	Container	Video Codec	Audio Codec
QuickTime*2	MOV*4	ProRes 422	QuickTime Supported Codecs
		ProRes 4444	
		Uncompressed	
AVI	AVI*5	Grass Valley HQX	Linear PCM
		Grass Valley Lossless	Linear PCM
		Uncompressed	Linear PCM
Generic TS	MPEG-2 TS	H.265	MPEG-2 AAC, MPEG-1 Layer2, AC-3*1
Elementary Stream	-	H.265	-
MKV	MKV	VP8, VP9, H.264	MPEG-2 AAC
XAVC	MXF	XAVC H.264 Intra/LongGOP	Linear PCM

Input Format	Container	Video Codec	Audio Codec
QuickTime*2	MOV*4	DVCPRO, DVCPRO 50, DVCPRO HD	Linear PCM
		Uncompressed	Linear PCM
		DV25	Linear PCM
SONY XDCAM	MXF	ProRes 422	QuickTime Supported Codecs
		DVCAM(DV25)	Linear PCM
		IMX (MPEG-2)	Linear PCM
AVCHD	MPEG-2 TS	H.264	Linear PCM, AC-3*1
		MPEG-2 HD	Linear PCM
AVI	AVI	Grass valley HQ*3	Linear PCM
		Microsoft DV	Linear PCM
Windows Media	WMV	Uncompressed	Linear PCM
		Windows Media Video	Windows Media Video
XDCAM-EX	MP4	MPEG-2	Linear PCM
3GP	3GP	QuickTime Supported Video Codecs	QuickTime Supported Codecs

### Export File Formats:

Output Format	Container	Video Codec	Audio Codec
Elementary Streams	-	H.264, H.265	MPEG-2 AAC, MPEG-1 Layer2, Linear PCM, AC-3*5
Generic TS	MPEG-2 TS	H.264, H.265	MPEG-2 AAC, MPEG-1 Layer2, Linear PCM, AC-3*5
Generic MP4	MP4	H.264, H.265	MPEG-2 AAC, Linear PCM
acTVila	MPEG-2 TS	H.264	MPEG-2 AAC
ARIB	MPEG-2 TS	H.264	MPEG-2 AAC
MPEG-DASH*6	Multiple MP4	H.264	MPEG-2 AAC
Microsoft Smooth Streaming*5	Multiple MP4	H.264	MPEG-2 AAC
HTTP Streaming File Format*6	Multiple MPEG-2 TS	H.264	MPEG-2 AAC
Avid DNxHD*6	MXF, MP4	DNxHD	Linear PCM
XAVC*6	MXF	XAVC H.264 Intra	Linear PCM
SONY XDCAM*6	MXF	DVCAM(DV25), IMX(MPEG-2), MPEG-2 HD	Linear PCM

## Recommended Hardware:

<b>CPU</b>	IntelXeon(AVX*7 supported CPU) or Core-i7	<b>USB Port</b>	Minimum of one USB port
<b>Memory</b>	8GB or more	<b>OS</b>	Microsoft Windows 7 Professional 64bit, Windows 8.1, Microsoft Windows Server 2008 R2 / 2012 R2
<b>Hard Disk</b>	250GB (SATA, 7200rpm)	<b>Configuration</b>	●Application DVD (Installer, Manual) ●USB dongle

\*1 Separate module installation necessary for AC-3 audio import \*2 QuickTime 7.7 or later necessary for .mov file import \*3 Separate module installation necessary for Grass Valley HQ file import \*4 Created files with Final Cut Pro X \*5 Created files with Edius7.0 \*6 Optional \*7 Advanced Vector Extensions (AVX) are extensions to the x86 instruction set architecture for microprocessors. First supported by Intel with the Sandy Bridge processor.

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For more information, please contact

<https://www.ntt-tx.co.jp/products/FC4000/>

NTT TechnoCross Corporation

Media Innovation Business Department  
Video Systems Company

Notes:  
\* Specifications written in this catalog may be changed without prior announcement.  
\* Catalog contents from April, 2017 to present.