

TotalCode Studio

Professional desktop encoding for digital distribution and over the top services



Whether your content is consumed on tablets, smartphones, TVs or set-top boxes – or delivered through different channels, such as broadcast, cable, satellite, the Internet or IPTV – TotalCode Studio has you covered. TotalCode Studio can help post-production studios, small content preparation houses, broadcasters, and non-linear editors succeed with efficient workflows and stunning video quality.



A plug-in based application that incorporates MainConcept's codecs into a single desktop application, TotalCode Studio is practical, efficient and cost effective option for almost any professional market segment – from content producers and consumer electronics manufacturers to broadcast and OTT content preparation. Due to its many ready-to-use presets and multi-purpose advanced encoder settings, TotalCode Studio enables you to convert your video and audio into numerous formats including some of the latest standards such as HEVC/H.265, Ultra HD 4K, MPEG-DASH, as well as popular mainstream distribution formats like Apple HLS.

NEW FEATURES

- Import of HEVC/H.265 10-bit files in MPEG-2 TS and MP4, or as ES.
- HEVC Encoder and Decoder, including High Tier and BT.2020 support.
- Improved handling of input streams that contain variable frame rates, including A/V synchronization optimizations.
- Import and creation of 8K RAW streams.

Many powerful features, such as watch folder automation, batch list encoding, audio and video filters – color correction, timecode insertion, and audio normalization – make TotalCode Studio an ideal tool for production environments requiring professional quality and performance.

COMPARISON

TOTALCODE STUDIO PACKAGE COMPARISON			
Codec	TotalCode Studio	Broadcast Pack	Audio Pack
HEVC/H.265	X		
AVC/H.264 Pro	X		
MPEG-1/2	X		
MPEG-4 Part 2	X		
MPEG-1/2	X		
VC-1 Pro	X		
PCM	X		
MPEG-Audio	X		
WMA	X		
AAC	X		
AVC/H.264 Broadcast (10-bit)		X	
JPEG 2000		X	
DVCPRO HD		X	
XAVC-Intra		X	
DTS®			X
Dolby® Digital			X
Dolby® Digital Plus			X

FEATURES

Support for Popular Delivery Formats

Export multiplexed files using a wide range of popular formats including H.264/AVC, QuickTime (for Apple iPad and iPhone), Adobe Flash, 3GP (H.263, H.264, MPEG-4), HTML5, DVB.

Apple HLS and DASH-265 / DASH-264 Compliant File Creation

Create presets and encode MPEG-DASH compliant DASH-264 and DASH-265 files. Moreover, you can create Apple HLS compliant content.

HEVC (8-bit / 10-bit)

Encode HEVC/H.265 in various resolutions up to UltraHD (4K) and in real-time up to 1080p30. Includes ready-to-use HEVC Main 10 profiles, and MPEG TS output support.

Watch Folder Automation

Configure folders with predefined encoding parameters and leave TotalCode to automatically process incoming media whenever it is added.

Scalable Codec Support

Add more advanced video and audio codecs (e.g., JPEG 2000, and DTS®) as needed, through seamless upgrades that utilize the same familiar TotalCode Studio encoding interface.

Batch List Encoding

Execute multiple tasks efficiently by setting up a batch process for files that use specified encoding presets and output formats.

Built-in Video and Audio Processing

Adjust source files with color correction, timecode insertion, logo burn-in, image flipping, image cropping, audio normalization, video scaling, and frame and sample rate conversion.

TotalCode Preset Exchange

Create custom presets in TotalCode Studio and exchange presets between TotalCode Studio and TotalCode Enterprise.

Full 64-bit Support

TotalCode Studio is now a native 64-bit application, with improved 4K HEVC/H.265 transcoding performance, and support for 10-bit ProRes source files, including ProRes 4:2:2 and 4:4:4.

SPECS

Video Codec Support

- HEVC/H.265
- AVC/H.264 (incl. 10-bit, Intra Class 50& 100¹)
- MPEG-1/2
- MPEG-4 Part 2
- VC-1
- DVCPRO HD¹
- JPEG 2000¹

Video Filtering & Processing

- Image Flipping
- Cropping
- De-interlacing
- Brightness / Contrast / Gamma
- Timecode Insertion / Logo burn-in

Audio Codec Support

- AAC and AAC HE
- Dolby Digital ²
- Dolby Digital Plus ²
- DTS ²

- LPCM
- MPEG Audio
- PCM
- WMA (Windows Media Audio)

Audio Filtering & Processing

- Normalization
- Volume
- Delay
- Dynamics processing

Format, Container & Standard Support

- DASH-264 VOD
- DASH-265 VOD (incl. DASH-265 Main 10)
- AVC/H.264 QuickTime
- Apple iPhone, iPod and iPad
- DVD
- Blu-ray Disc
- AVCHD
- Sony PSP
- Adobe Flash F4V
- HTML5
- Sony XDCAM HD, XDCAM EX, XDCAM IMX, XDCAM DV
- SVCD / VCD
- DVB / ATSC
- HDV
- D10
- MPEG-4 HD / 3GP
- H.263 3GP
- H.264 3GP
- WMV-compliant (VC-1)
- XAVC-Intra¹
- AVC-Intra Class 50 & 100¹
- Panasonic P2 AVC-Intra, P2 DVCPRO¹
- DV¹, DVCPRO 25/50/100¹
- JPEG 2000 2k / 4k¹
- Ultra Violet™ CFF³

¹ TotalCode Studio Broadcast Pack required

² TotalCode Studio Audio Pack required

³ Limited to UltraViolet preset creation and testing. Full production with metadata, timed text and encryption requires TotalCode Enterprise or TotalCode Engine.

LICENSING OPTIONS

BASE PRODUCT (REQUIRED)

TotalCode Studio

TotalCode Studio supports a wide range of video codecs, including:

- HEVC/H.265
- AVC/H.264
- MPEG-1/2
- MPEG-4 Part 2
- VC-1

Additional codecs are available as add-ons. Please see below for details.

ADD-ON PACKAGES (OPTIONAL)

Attention: Base product required for add-on packages

TotalCode Studio Broadcast Pack

The TotalCode Studio Broadcast Pack adds support for:

- AVC/H.264 10-bit, Intra Class 50 & 100
- XAVC-Intra
- DVCPRO HD
- JPEG 2000

TotalCode Studio Audio Pack

The TotalCode Studio Audio Pack adds support for:

- DTS®
- Dolby® Digital
- Dolby® Digital Plus

TECH SPECS

- Microsoft® Windows® 7 Ultimate and Professional SP1 x64, Windows 8.1, Windows 10 (64-bit)
- Minimum System Memory: 8 GB

NOTE: TotalCode Studio (base product) is required to run the Broadcast and Audio Packs.