

TotalCode Enterprise

Scalable, server-distributed encoding solution for high volume content creation and delivery

With consumer demand for content “anytime, anywhere,” the abilities to address the latest digital delivery formats and manage unique bandwidth limitations and codec requirements are essential. And, if you have high volume production requirements, an enterprise-class encoding solution is a critical part of your production workflow.

TotalCode Enterprise by Rovi supports multiple digital delivery formats and provides the tools you need to set up an efficient private or public cloud-based production environment. A highly scalable solution, TotalCode Enterprise integrates with existing workflows effortlessly. Additionally, it supports the video and audio codecs required to provide universal production services for today’s range of platforms and devices. With support for automated encoding using watch folders and a variety of input and output options – including cloud and FTP – TotalCode Enterprise is capable of executing advanced, automated workflows that take production efficiency to a new level.

TotalCode Enterprise is an ideal solution for content distributors, post-production facilities, broadcasters (satellite and IPTV), IPTV content studios/portals, uplink centers, mobile TV providers, audio production studios, archive centers, educational establishments, media companies (e.g. digital signage and news agencies), as well as security and medical companies.

Benefits for Content Producers

- Gain high volume, server-distributed encoding that scales with your production requirements
- Simultaneously create streams for a wide range of distribution platforms and devices
- Benefit from comprehensive video and audio codec support
- Easily create automated transcoding workflows
- Achieve high quality and reliability using MainConcept codec technology



TotalCode Enterprise – Key Features

TotalCode Enterprise is highly flexible and scalable, and it enables users to deploy its capabilities in a range of production environments, making it useful for organisations involved in film, broadcast, mobile, application development, IPTV, archiving, and education.

High Volume Server-distributed Encoder

Create extremely efficient high volume encoding workflows that distribute the encoding workload across a private or public network of encoding servers.

Broad Format and Device Support

Deliver encoded files using popular multiplexed container formats required by current entertainment devices, including Rovi-powered entertainment stores and DivX®-certified devices.

Scalable Encoding Platform

Increase your encoding capabilities by scaling your systems to use a virtually limitless number of encoding servers (the more servers employed, the higher the number of streams that can be processed in a given time).

Cloud Server and Storage Support

Quickly and easily scale your TotalCode Enterprise system by utilising private and public cloud servers and storage for encoding tasks, and as input and output locations.

Advanced System Administration Toolset

Easily manage job distribution and prioritisation, as well as server dedication and user administration. Administrators can aggregate and specify servers for certain encoding tasks submitted by particular users to help complete high priority jobs ahead of lower priority projects.

Flexible Client-side Operation Controls

Access the power of TotalCode Enterprise using a web client or command line interface. Or alternately, integrate into your own internet-based application using the TotalCode Enterprise API.

Extensive Integration and Customisation Capabilities

TotalCode Enterprise is based on the flexible SOAP platform enabling easy integration with common development environments, including Java, .NET and C++.

Comprehensive Video Codec Support

TotalCode Enterprise supports a wide range of video codecs, including H.264/AVC (up to 10-bit Intra Class), CUDA H.264/AVC, MPEG-1/2, MPEG-4 Part 2, VC-1, JPEG2000, DivX, DivX Plus and VC-3.

Professional Audio Codec Support

TotalCode Enterprise supports popular audio codecs, such as Dolby® Digital, AAC, PCM and Windows Media Audio.

Extensive Codec and Format Preset Database

TotalCode Enterprise includes an extensive library of ready-to-use profiles containing settings for specific encode and output formats, saving you time and ensuring you deliver compliant files without playback problems.

TotalCode Preset Exchange

Quickly share encoding presets with all other TotalCode products to help ensure your encodes conform to established standards across your encoding systems.

Built-in Video Processing

Help ensure your encodes conform to specific parameters by applying a range of pre-processing options to source files, including image flipping, cropping, brightness, contrast, gamma, de-interlace and timecode insertion.

Multi-platform Operating System Support

With support for popular operating systems – Windows, Mac, and Linux – TotalCode Enterprise can integrate into almost any production environment.

Automated Workflow Support

Set up automated encoding workflows using input and output watch folders that can be on your local network or on public cloud storage including FTP, Amazon S3, and Dropbox.

Technical Specifications

TotalCode Enterprise is available in multiple configurations. Please visit rovicorp.com for additional details.

Video Codecs

- H.264/AVC (10-bit, Intra Class 50 & 100)
- CUDA H.264/AVC
- MPEG-1/2
- MPEG-4 Part 2
- VC-1
- DivX
- DivX Plus
- DVCPRO HD
- JPEG2000

Audio Codecs

- AAC
- PCM
- LPCM
- DV Audio
- RAW Audio
- MPEG-1 Audio
- WMA (Windows Media Audio)
- Dolby Digital Plus
- Dolby Digital Professional
- MP3 (DivX containers only)

Input Codec/Format Support

- QuickTime®
- AVI
- H.264/AVC
- MPEG-1
- MPEG-2
- MPEG-4
- VC-1
- DivX
- DivX Plus
- DV25
- DVCPRO 50
- DVCPRO HD
- JPEG2000
- VC-3 (Avid DNxHD compliant)
- VOB
- Windows Media

Output Format & Container Support

- DivX
- DivX Plus
- AVI
- MXF (OP1a and OP-Atom)
- DIF
- AVC Intra Class 50
- AVC Intra Class 100
- AVCHD
- Adobe Flash F4V
- HTML5 (H.264)
- JPEG2000 DCI 2k
- JPEG2000 DCI 4k
- Avid DNxHD compliant VC-3
- MPEG-1 SS
- MPEG-2 PS
- MPEG-2 TS
- H.264 3GP
- H.263 3GP
- MPEG-4 3GP
- WMV Compliant VC-1
- Sony XDCAM HD
- Sony XDCAM EX
- Sony XDCAM IMX
- Sony XDCAM DV (DVCAM)
- Panasonic
- Panasonic P2 DVCPRO
- Panasonic P2 AVC-Intra
- Silverlight VC-1
- Silverlight H.264
- SVCD
- VCD
- DVB
- ATSC
- DV
- HDV
- DV 25
- DVCPRO HD 50
- DVCPRO HD 100
- D10
- MPEG-4 HD
- WAV
- ASF

Administration Tools

- User rights management
- User group management
- Server group management
- Preset group management
- Job prioritisation

Input & Output Location Support

- FTP
- Dropbox
- HTTP
- Amazon S3
- Local Network Storage

Efficiency Tools

- Express QC quality detection
- Pre- and Post-encode script execution



Rovi powers the discovery and enjoyment of digital entertainment through innovative, flexible solutions and metadata that captivate consumers. Core to the digital home ecosystem, Rovi enables service providers, consumer electronics manufacturers, content publishers and websites to connect with their customers. Learn more at rovicorp.com.

Rovi. Join the entertainment.

Rovi Corporation
U.S. Headquarters
2830 De La Cruz
Boulevard
Santa Clara, CA
95050
+1 408 562 8400

Rovi Europe Limited
Malvern House
14-18 Bell Street
Maidenhead
Berkshire, SL6 1BR
+44 1628 677 300
EMEA@rovicorp.com

Rovi K.K.
2F, Marunouchi Trust
Tower Main
1-8-3 Marunouchi,
Chiyoda-ku
Tokyo 100-0005
Japan
+81-3-4577-1500

For more information, visit rovicorp.com.