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HEVC (H.265) Free Upgrade from Etere 27.3

From Etere 27.3, Etere ETX supports HEVC/H.265 encoding and decoding. Etere users can expect higher precision and twice the compression efficiency with this FREE upgrade.

Etere logo

Channel in a box

Centralized master control

H265 HEVC compatible

Etere 27.3 launches Etere ETX with HEVC/H.265 encoding/decoding, the most advanced video compression standard, including H.265 4K YUV 4:2:0, 4K YUV 4:4:4 and 4K Lossless. HEVC/H.265 is the newest video compression standard set to bring a range of unprecedented benefits such as the capability to produce substantially improved video quality at the same bit rate and support for resolution up to 8192 × 4320, including 8K UHD. With the compatibility, Etere's customers are equipped with more options to choose from.

Etere ETX is a 4K-ready Channel-in-a-box with full IP in and out capabilities. It is capable of a wide range of features including live subtitling, SDI output, multiple layers of 2D/3D graphics, logo insertion as well as live subtitling support.

Etere ETX with HEVC/H.265
With the upgrade, Etere ETX is able to provide twice the compression efficiency of the previous standard (H.264). Users can leverage this advantage in two ways, either the allowing video to be compressed to a file that is about half the size of AVC or compressing videos to the same file size as AVC but with significantly better visual quality.

What is HEVC/H.265?
High Efficiency Video Coding (HEVC) or H.265 is a new video compression standard developed by the Joint Collaborative Team on Video Coding (JCT-VC). It has brought together image and video encoding experts from around the world, to produce a single standard that is approved by the standard bodies, Video Coding Experts Group (VCEG) and Motion Picture Experts Group (MPEG).

How Does HEVC/H.265 Works?
HEVC/H.265 encodes motion vectors with a higher precision, resulting in a better predicted block. As a step up to improve inter-prediction, HEVC/H.265 includes Adaptive Motion Vector Prediction. It also incorporates an improved deblocking filter as well as the Sample Adaptive Offset, an additional filter that reduces artifacts at block edges. HEVC/H.265 uses a technique known as Motion Compensated Prediction where blocks of pixels are encoded by making reference to another area in the same frame or in another frame. HEVC/H.265 allows predicted blocks to be coded in different block sizes than the residual error.

The list of HEVC/H.265-compatible Nvidia Cards that can be used with Etere is included here: https://developer.nvidia.com/video-encode-decode-gpu-support-matrix

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About Etere

Founded in 1987, Etere is amongst the worldwide leaders in Media Asset Management and channel in a box software solutions for broadcasters and media companies. Etere's unique MERP software-only solution is used by many of the world's leading Media Enterprises to power their digital assets. Its modular solutions including Airsales, Ad Insertion, playout, HSM archive, TV automation and Censorship are built with an innovative architecture, offering the best flexibility and reliability in the market.