HERMES Live Encoder L

SUPERIOR 4K LIVE ENCODER FOR BROADCASTER

4K UHD

4K ULTRA HIGH DEFINITION (UHD)
Offers stunning ultra-sharp visual quality that is 4 times the resolution of Full HD

HIGH DYNAMIC RANGE (HDR) [1]
Improves the picture quality by adding extra brightness level and contrast to the pixels

WIDE COLOUR GAMUT (WCG) [2]
Allows to display more colours that can never be experienced before in live streaming

HIGH FRAME RATE (HFR)
Delivers more frames per second so that a smoother and lifelike motion will be perceived

ADAPTIVE BIT RATE STREAMING
Enables the optimum streaming video viewing experience over a broad set of connection speeds

H.265/HEVC MAIN 10 PROFILE
Enhances video and picture quality by saving up to 50% of the bandwidth versus H.264/AVC

LOW LATENCY
Enjoys a seamless live with an extremely short time lag between the live stream playback and the source
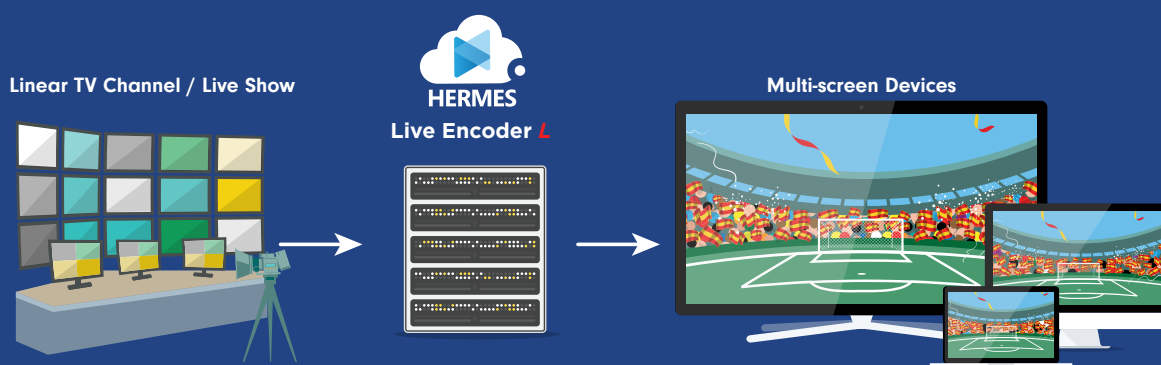
SCALABLE TECHNOLOGY FOR 8K [3]
Provides an ultimate high resolution preserving the finest details ever to meet future needs

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[1] Supports SMPTE ST 2084 which defines display brightness up to 10,000 nits, 40 times brighter than conventional low dynamic range TVs of around 250 nits.

[2] Traditional sRGB colour space covers only 35.9% of what human vision can perceive. HERMES Live Encoder L doubles it up by supporting BT.2020 with 75.8% (or DCI-P3 with 53.6%) in the CIE 1931 colour space.

[3] For 8K UHD support, please contact us for details.

* HERMES - Home Enjoyment, Recreation and Multimedia Entertainment System.

BEHIND THE SCENES

Linear TV Channel / Live Show

HERMES
Live Encoder *L*

Multi-screen Devices

Empower you to deliver world-class 4K quality live streaming for linear TV channel or the city's most anticipated live show.

THE SPECIFICATION

Powered by our patented distributed encoding technology, our HERMES Live Encoder offers real-time software-based video and audio encoding to any linear TV channels or live broadcast for multi-screen experience. HERMES Live Encoder is recognized as a successful and high quality live encoding product for video streaming delivery in the industry.

HERMES Live Encoder L

Input	Raw input	Four 3G-SDI
Pre-processing	Video Processing	Video letter boxing, Stretching, Burnt-in text and images, De-interlacing
Video Encoding	Video Codec	H.264/AVC Baseline/Main/High Profile, H.265/HEVC Main/Main 10 Profile
	Color Space	sRGB, DCI-P3 and BT.2020
	Bit Depth	8 /10 bit
	Transfer Function	SMPTE ST 2084*
	Bit Rate Supported	Adaptive Bit Rates (ABR) from 100kbps to 50Mbps
	Resolution	From QCIF (176x144) to 4K (3840x2160) at up to 60 fps
Output	Protocol / Format	Apple HTTP Live Streaming (HLS), Microsoft Smooth Streaming (SS), Real Time Messaging Protocol (RTMP)

* SMPTE ST 2084 is the Perceptual Quantizer (PQ) published by Society of Motion Picture and Television Engineers (SMPTE) for HDR video.

Remarks: HERMES Live Encoder is a software-based encoder, where actual performance may vary from the associated hardware equipment and/or the requirements from customers.

ABOUT TFI

TFI stands for Technology, Fun and Innovation. With the mission to bring fun content to everywhere with innovative technology, we provide world-class video encoding, streaming & delivery platform.

TFI

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HERMES
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