

4K HEVC Encoder/Decoder

The Lau-K is the new HEVC codec developed by SVP Broadcast Microwave. Offering exceptional compression ratios on video resolution up to 4K UHD for contribution.

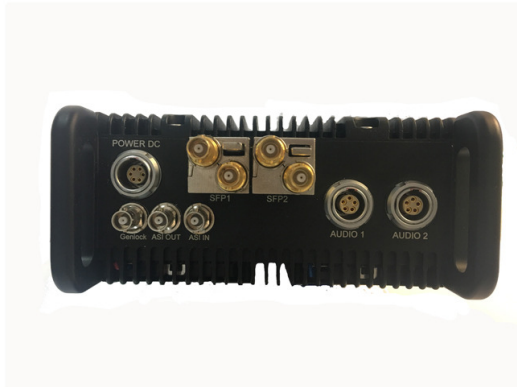
HEVC offers many advantages over AVC like HEVC compression which results in significant bitrate savings over traditional AVC solutions. The additional efficiency of HEVC encoder makes wireless transmission of 4K possible.

This decoder supports low latency making it ideal for live applications such as wireless cameras, ENG, SNG and Aircraft Data Links.

Latency is critical in many broadcast applications and Lau-K codec has been designed to minimize latency without compromising quality, making this codec suitable for all live events.

The Lau-K compresses a single 4K UHD input or up to 4 HD of 1080p60 inputs in one unit.

The SFP interface makes it easy to switch between different input sources; SDI, HDMI and optical fiber.



FEATURES

- High quality HEVC codec
- Low latency
- 4K UHD
- Supports 4 simultaneous 1080p/60
- Genlock
- SFP interface
- Controllable by SVP HDT and HDR series

APPLICATIONS

- High performance Decoder.
- Live applications:
 - Wireless camera links
 - ENG
 - SNG
- Aircraft Data Link

Characteristics

Video

Modes:	HEVC, AVC and MPEG-2
Number of Videos:	UHD = 1 (4K), FHD = 4 (1080p/60)
Profiles:	4K UHD (3840 x 2160 pixels) 4:2:2/4:2:0, 8/10-bit 2160p - 23.98/24/25/29.97/30/50/59.94/60
	HD 4:2:2/4:2:0, 8/10-bit 720p - 50/59.94/60 1080i - 50/59.94/60 1080p - 23.98/24/25/29.97/30/50/59.94/60
	SD 4:2:2/4:2:0 480i - 29.97 576i - 25

Latency

Encoder + Decoder:	UHD 60p = 95ms UHD 50p = 110ms FHD 60p = 60ms FHD 50p = 70ms FHD 60i = 95ms FHD 50i = 110ms
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Audio

Format:	MPEG-1 Layer 2, AAC-LC, HE-AAC
Quantity:	8 pairs embedded

Analogue Audio

Max Level:	24dBu (balanced) 2 analogue pairs
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Connectors

HD 3G 1-4:	2 x SFP Module (Mini BNC, HDMI or Optical Fiver)
ASI In:	Mini BNC
ASI Out:	Mini BNC
Genlock in:	Mini BNC
Serial RS232 + Power DC:	Lemo 0B 6 pin
Stereo Audio Out:	2 x Lemo 0B 5 pin
Power:	Lemo 0B 6 pin

Stream Inputs

DVB_ASI:	Transport stream to 40Mb/s
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Genlock In

Format:	Tri Level Composite
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Control

Remote:	RS232
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Mechanical dimensions

Size (WxDxH):	157 x 96 x 42.5 mm (without V mount)
Weight:	630 g
Mounting:	V clamp

Power

Voltage In:	9 - 36V (Reverse polarity protected)
Consumed Power:	14 - 18W

How to Order

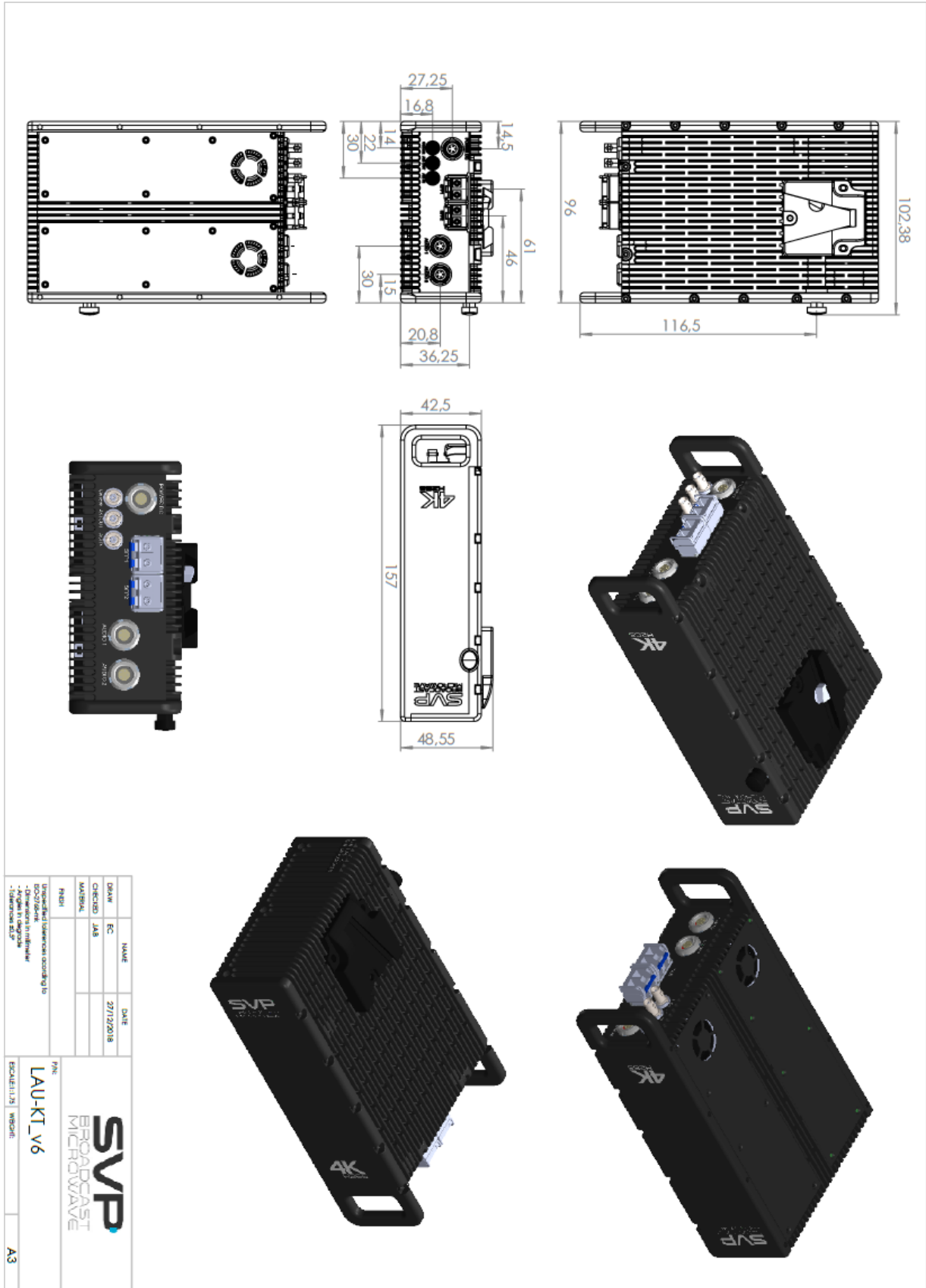
L a u - K - S F P - E



E = Encoder & Decoder
D = Only Decoder

Coding mode

Mechanical Dimensions



Design and specifications are subject to changes without prior notice. 12/18