

UltraLite

4K UHD Wireless Camera Encoder Module

The UltraLite utilises state of the art HEVC encoding to make 4K UHD wireless live video a reality today. Being the world's first, the UltraLite is a lightweight 'module' that can be attached to any existing wireless camera system enabling live transmission of Ultra High Definition video.

Being so lightweight, the UltraLite is attachable to a variety of 4K UHD camera such as the Sony F55. Vislink will provide a custom made mounting solution for your camera type.

Along with Vislink's UltraDecoder, the UltraLite provides a complete end to end live 4K UHD, easy to implement, cost effective wireless video solution.



Key Features

- Capable of allowing 4K UHD live wireless video using existing RF infrastructure
- Compact and Lightweight
- Utilizes latest HEVC advanced encoding techniques
- UltraLite system comprises of a UltraLite module and UltraDecoder to allow an end to end 4K UHD solution

Typical Applications

- Live wireless 4K UHD transmission
- Event Coverage
- Sports Coverage

Video Parameters

Video Encoder Profiles

- 4K UHD:
 - Main 10 – 8 / 10 bits 4.2.0
 - Main 4.2.2 10 – 8 / 10 bits 4.2.0 / 4.2.2
 - 1.0-25 Mbps

Video Inputs

- 2 SFP+ module slots supporting electrical and optical interfaces carrying:
 - 4 x 3G-HDSI (UHD)

Video Formats

- 4K UHD:
 - 2160p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60

Audio Parameters

Audio Encoder

- ISO 14496-3 2006 (HE-AAC) 8 pairs

Audio Inputs

- Embedded

Outputs

- ASI

Licenses

- The following licenses are available on the UltraLite:
 - Additional HD encoding (up to 3 licenses)
 - 4K UHD encoding
 - BISS 1/E Encryption

Latency

- System Latency – Approx. 900ms – 1 Sec.

NOTE: Suitable for applications such as Camera-back, Airborne and On-boards

Environmental & Physical

Dimensions

- 111.5 mm (W) 33 mm (H) 191 mm (D) (4.3" (W) 1.3" (H) 7.5" (D))

Temperature

- Operational: 0°C to +50°C (32°F to 122°F)
- Storage: -20°C to +70°C (-4°F to 158°F)

Power

- 10 - 36V DC
- Less than 25 Watts

Weight

- 570g (1.2 lbs.)