

INCAM-HG

Grass Valley HEVC 4K UHD Wireless Camera Transmitter

The Vislink INCAM-HG is a fully integrated HEVC 4K UHD, HDR-ready wireless system, designed for the Grass Valley LDX 86N 4k-RF 4K UHD camera.

The INCAM-HG offers full broadcast quality encoding at 4K UHD, 1080p, 1080i and 720p with camera control.

The unit utilizes user-changeable RF modules for rapid, in-field, swap outs.



Key Features

- HEVC/4K UHD Very Low Latency Encoder
- HDR Ready
- Interchangeable RF Modules
- FocalPoint Compatible integrated Camera Control
- Remote control over Wi-Fi via web interface
- External Audio Input
- Viewfinder output
- Optional built-in return video receiver with viewfinder switching
- Optional wireless microphone input (WisyCom)
- Add-on PA Barrel Booster Option¹

¹Frequency dependent

Typical Applications

- Event Coverage
- Newsgathering
- Sports Coverage
- Studio Cameras



datasheet

at the heart of the action

Frequency Band

- 1.300–1.700 GHz*
- 1.950–2.700 GHz*
- 3.200–3.900 GHz*
- 4.400–5.000 GHz
- 6.425–7.125 GHz
- 6.800–7.500 GHz
- 7.200–7.750 GHz

*Pre-distortion correction

Transmit Power

- Adjustable 10 to 250mW up to 3.9GHz, to 100mW above 3.9GHz (Barrel booster option available)¹

Transmit Antenna

- Omni Directional 3 dBi gain (nom.)

Video Encoder Profiles

- H.265 HEVC Main, Main 10, Main 4:2:2 10
- H.265 HEVC 8/10 bit to 4K p60
- H.264 AVC Main, High, Baseline up to Level 5.2
- H.264 AVC High 10/4:2:2
- H.264 AVC 4:2:0/4:2:2 8/10 bit to HD p60

Power

- Power supply to camera

Size & Weight

- 212 (L) x 213 (H) x 141 (W) mm⁴
- 2.8Kg³

Frequency Selection

- Up to 32 pre-set channels for tuning

Modulation

- COFDM DVB-T
- LMS-T

UHF Receiver

- 410 to 490 MHz frequency range
- FocalPoint camera control compatibility

Video Output/Options

- Viewfinder output
- Optional built-in return receiver with viewfinder switching

Power Consumption

- Nominally 30W in standard configuration (with L17501927)

Environmental

- Temperature
- Operating 0°C to 50°C (32°F to 122°F)

Modulation Modes

- QPSK, 16QAM, 64QAM
- FEC:
- 1/2, 2/3, 3/4, 5/6, 7/8, 9/10, 14/15
- Guard interval:
- 1/32, 1/16, 1/8, 1/4

Data Rate

- DVB-T 4.98 to 31.7 Mbit/s
- LMS-T up to 43 Mbit/s, bandwidth dependent (licensed option)

Video Formats

- 480i@29.97
- 576i@25
- 720p@50/59.94/60
- 1080i@50/59.94/60
- 1080p@23.98/24/25/29.97/30/50/59.94/60
- 1080p @ 150 HEVC High Frame Rate (3x time synchronized 1080p50)
- 2160p@23.98/24/25/29.97/30/50/59.94/60

PIDs

- PIDs user configurable

User Interface

- OLED display for enhanced visibility

Bandwidth

- DVB-T at bandwidths of 6/7/8 MHz
- LMS-T bandwidths of 3/4/5/6/7/8/10/ 12/14/16/20 or 24 MHz with two carrier density options.
- Digital pre-distortion for enhanced adjacent channel performance*

*frequency permitting

Encoding

- HEVC (H.265)
- AVC (H.264)
- AAC
- MPEG-1
- AES / Dolby Pass-through

Latency

- Single frame (4k UHD/1080p)²

Notes:

- Some features specified are available via optional licenses.
- We reserve the right to change specifications at any time without prior notice.
- ¹We recommend using the optional D-TAP cable to power the Barrel Booster.
- ²End to end latency including RF, with ULRX-LD Rx.
- ³Including interchangeable RF module.
- ⁴Including interchangeable RF module antenna ports.