

TRANSMITTER

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 \(WisysCom\)](#)
 - [Add-on PA Barrel Booster Option*](#)
- *Frequency dependent*

Typical Applications

- [Event Coverage](#)
- [Newsgathering](#)
- [Sports Coverage](#)
- [Studio Cameras](#)

Technical Specifications	
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
Frequency Selection	Up to 32 pre-set channels for tuning
Modulation	DVB-T2*, DVB-T, LMS-T, ISDB-T *Licensable
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
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
UHF Receiver	410 to 490 MHz frequency range; FocalPoint camera control compatibility
Data Rate	DVB-T 4.98 to 31.7 Mbit/s; LMS-T up to 43 Mbit/s, bandwidth dependent (licensed option)
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
Video Output/Options	Viewfinder output; Optional built-in return receiver with viewfinder switching
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
Encoding	HEVC (H.265); AVC (H.264); AAC; MPEG-1; AES / Dolby Pass-through
Power	Power supply to camera
Power Consumption	Nominally 30W in standard configuration (with L17501927)
PIDs	PIDs user configurable
Latency	Single frame (4k UHD/1080p) ²
Size and Weight	212 (L) x 213 (H) x 141 (W) mm ⁴ ; 2.8Kg ³
Environmental	Temperature; Operating 0°C to 50°C (32°F to 122°F)
User Interface	OLED display for enhanced visibility

NOTES:

- Some features specified are available via optional licenses.
- ¹ We recommend using the optional D-TAP cable to power the Barrel Booster.
- ² End to end latency including RF, with Quantum Rx.
- ³ Including interchangeable RF module.
- ⁴ Including interchangeable RF module antenna ports.

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