



# VISLINK

At the heart of the action.



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.

INCAM-HG Datasheet

## INCAM-HG

Grass Valley HEVC 4K UHD Wireless Camera Transmitter

Live event broadcasts

Wireless Camera Solution

HEVC

Low Latency

### 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 (WisycCom)
- Add-on PA Barrel Booster Option\*  
*\*Frequency dependent*

### Typical applications

- Event Coverage
- Newsgathering
- Sports Coverage
- Studio Cameras



VISLINK

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	Specification
Frequency Band	<p>1.300–1.700 GHz*</p> <p>1.950–2.700 GHz*</p> <p>3.200–3.900 GHz*</p> <p>4.400–5.000 GHz</p> <p>6.425–7.125 GHz</p> <p>6.800–7.500 GHz</p> <p>7.200–7.750 GHz</p> <p><i>* Pre-distortion correction</i></p>
Frequency Selection	Up to 32 pre-set channels for tuning
Modulation	COFDM DVB-T, LMS-T
Modulation Modes	<p>QPSK, 16QAM, 64QAM</p> <p>FEC: 1/2, 2/3, 3/4, 5/6, 7/8, 9/10, 14/15</p> <p>Guard interval: 1/32, 1/16, 1/8, 1/4</p>
Bandwidth	<p>DVB-T at bandwidths of 6/7/8 MHz;</p> <p>LMS-T bandwidths of 3/4/5/6/7/8/10/ 12/14/16/20 or 24 MHz with two carrier density options;</p> <p>Digital pre-distortion for enhanced adjacent channel performance*</p> <p><i>*Frequency permitting</i></p>
UHF Receiver	<p>410 to 490 MHz frequency range</p> <p>FocalPoint camera control compatibility</p>
Data Rate	<p>DVB-T 4.98 to 31.7 Mbit/s</p> <p>LMS-T up to 43 Mbit/s, bandwidth dependent (licensed option)</p>
Transmit Power	Adjustable 10 to 250mW up to 3.9GHz, to 100mW above 3.9GHz (Barrel booster option available) <sup>1</sup>
Transmit Antenna	Omni Directional 3 dBi gain (nom.)
Video Encoder Profiles	<p>H.265 HEVC Main, Main 10, Main 4:2:2 10</p> <p>H.265 HEVC 8/10 bit to 4K p60</p> <p>H.264 AVC Main, High, Baseline up to Level 5.2</p> <p>H.264 AVC High 10/4:2:2</p> <p>H.264 AVC 4:2:0/4:2:2 8/10 bit to HD p60</p>

	Specification
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) <sup>2</sup>
Size and Weight	212 (L) x 213 (H) x 141 (W) mm <sup>4</sup> ; 2.8Kg <sup>3</sup>
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.
- <sup>1</sup> We recommend using the optional D-TAP cable to power the Barrel Booster.
- <sup>2</sup> End to end latency including RF, with ULRX-LD Rx.
- <sup>3</sup> Including interchangeable RF module.
- <sup>4</sup> Including interchangeable RF module antenna ports.

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