

## INCAM-G

### Grass Valley Camera Transmitter

Built into the Grass Valley LDX series HD camera, the Vislink INCAM-G Integral Wireless Camera Transmitter provides full HD broadcast quality encoding at 1080p, 1080i, and 720p, as well as built-in wireless camera control.



### Key Features

- Built in Wireless Camera Control
- Ultra Low Delay down to 20ms H.264
- Data rates up to 39 Mbit/s
- Add on PA Barrel Booster option
- Video and tally outputs for Steadicam
- Full configuration available by Windows™ PC software

### Typical Applications

- Event Coverage
- Newsgathering
- Sports Coverage

### Frequency Bands

- 1.9 to 2.7 GHz\*<sup>1</sup>
- 3.3 to 3.7 GHz\*<sup>1</sup>
- 4.2 to 4.5 GHz\*<sup>2</sup>
- 5.4 to 6.0 GHz\*<sup>2</sup>
- 6.4 to 7.2 GHz\*<sup>2</sup>

Please ask for other frequencies.

\*1: 50 mW to 200 mW

\*2: 20 mW to 100 mW

### Modulation Modes

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

### Modulation

- COFDM DVB-T 2K or switchable LMS-T (factory option) or switchable ISDB-T (factory option) 2K, 4K, 8K with Time Interleaving selectable 100ms, 220ms, 440ms

### GOP & PIDs

- GOP Selectable 4 to 30
- PIDs user configurable

### Tuning Range

- As per frequency bands.

### Bandwidth

- DVB-T / ISDB-T 6, 7, 8 MHz switchable
- LMS-T scalable 3 to 20 MHz (factory option)

### Video Input

- HD SDI 1080i, 1080p, 720p as defined by the camera

### Camera Control Data Receiver

- Operating bands - UHF and VHF
- Tuning step size - 12.5 kHz or 6.25 kHz
- Modulation - GMSK
- Data rate - 300 to 19200 bps
- Tally - included

### Frequency Selection

- Up to 16 pre-set channels or tuning in 1 MHz steps\*

\*500 kHz steps available to special order

### Data Rate

- DVB-T / ISDB-T 4.98 to 31.7 Mbit/s
- LMS-T up to 39 Mbit/s bandwidth dependent (factory option)

### Audio Inputs

- Two audios, includes external audio input with phantom powering
- Audio encoding rate selectable 128, 256, 384 kBit/s

### User Data input (camera control return data)

- Selectable 1,200 to 230,400 baud

### Transmit Power

- Selectable power levels:
  - 50 mW to 200 mW\*
  - 20 mW to 100 mW\*

(or add Barrel Booster option)

\*Refer to applicable Frequency Band

### Transmit Antenna

- Omni Directional 4 dBi gain (nominal)

### Encoding

- H.264 / MPEG-4, level 4.1 video.
- Profile 4.2.0 / 4.2.2 selectable
- Audio MPEG-1 layer 2 / layer 1 selectable

### Monitoring and Control

- Comprehensive transmitter setup via Windows™ PC software

### Latency

- Selectable down to less than 1 frame, 20ms

### Power Supply

- 12 to 16V DC, 18 Watts, includes external DC input

### Environmental

- -20°C to +50°C (-4°F to 122°F)
- Altitude: 4500m (14763 ft.)
- Humidity: 95% long term