

Built into the Grass Valley LDX series HD camera the integral HDwireless camera transmitter provides full HD broadcast quality encoding 1080p, 1080i and 720p plus built in wireless camera control.



### Key Features

- Built in Wireless Camera Control
- Ultra Low Delay down to 20ms H.264
- Data rates up to 39Mbit/s
- Add on PA Barrel Booster option
- Video and tally outputs for Steadycam

### SPECIFICATIONS

#### Frequency Bands

- 1.95 to 2.7GHz,
  - 3.2 to 3.9 GHz
- (consult factory for other bands)*

#### Tuning Range

- 400MHz standard bandwidth or 1.95 to 2.7GHz factory option

#### Transmit Power

- Adjustable 10 to 250mW (or add Barrel Booster option).

*\* subject to frequency band*

#### Transmit Antenna

- Omni Directional (nominal)

#### Modulation

- COFDM DVB-T 2K or LMS-T

#### Modulation Modes

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

#### Bandwidth

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

#### Data Rate

- DVB-T
- LMS-T up to 39Mbit/s, bandwidth dependant

#### Encoding

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

#### Latency

- Selectable down to less than 1 frame, 20ms

#### GOP & PIDs

- GOP Selectable
- PIDs user configurable

#### Video Input

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

#### Audio Inputs

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

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

- Selectable 1,200 to 230,400 baud

#### Power Supply

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

#### Environmental

- -20° to +50°C
- Altitude: 4500m, Humidity: 95% long term

#### Camera Control data receiver

- Operating bands - UHF
- Modulation - GMSK
- Data rate - 300 to 19200 bps
- Tally - included
- Frequency Band: 410 - 490 MHz
- Step size: 0.25 kHz

