

INCAM-S

Sony Camera Transmitter

Built into the Sony HDC-2400, 2500, 2550 series HD camera, the Vislink INCAM-S Integral Wireless Camera Transmitter provides full HD broadcast quality encoding at 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
- Full control via the camera viewfinder

Typical Applications

- Event Coverage
- Newsgathering
- Sports Coverage

Frequency Bands

- 1.95 to 2.7 GHz,
- 3.3 to 3.7 GHz

(Consult factory for other bands)

Modulation

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

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

User Data input (camera control return data)

- Selectable 1,200 to 230,400 baud

Monitoring and Control

- Comprehensive transmitter setup via camera viewfinder

Tuning Range

- As per frequency band

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

Latency

- Selectable down to less than 1 frame, 20 ms

Power Supply

- 12 - 16V DC, 18 Watts

Weight

- Additional camera weight, 470g

Frequency Selection

- Up to 16 pre-set channels or tuning in 1MHz steps via side mounted panel control (500 kHz steps available to special order)

Bandwidth

- Omni Directional 4 dBi gain (nominal)

GOP & PIDs

- GOP Selectable 4 to 30
- PIDs user configurable

Transmit Power

- Selectable power levels:
 - 50 mW to 200 mW

(or add Barrel Booster option)

Video Input

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

Transmit Antenna

- Omni Directional 4 dBi gain (nominal)

Data Rate

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

Environmental

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

Audio Input

- Audio encoding rate selectable 128, 256, 384 kBit/s