

L1700

Camera Transmitter

The L1700 product range represent the next generation of flexible, portable, wireless systems from Vislink. With highly flexible and configurable mounting options and video interfaces, the unit can be mounted to broadcast cameras for sporting events, ENG cameras for news and even prosumer cameras to broaden the market reach. With user interchangeable RF modules and a range of software options, the L1700 continues the line of innovative, high performance wireless camera systems from Vislink.



Key Features

- H.264 Very Low Latency Encoder
- HD-SDI / 3G HD-SDI / HDMI / Composite input
- Docks with L1750 range of TX modules
- Integrated Camera Control with FocalPoint Compatibility

Typical Applications

- Event Coverage
- Newsgathering
- Sports Coverage



datasheet

at the heart of the action

Frequency Band

- 1.3 – 1.7 GHz*
- 1.95 – 2.7 GHz*
- 3.2 – 3.9 GHz*
- 4.4 – 5.0 GHz
- 6.3 – 6.8 GHz
- 6.425 – 7.125 GHz
- 6.8 – 7.5 GHz

*Pre-distortion correction

Frequency Selection

- Up to 10 pre-set channels for tuning

Modulation

- DVB-T
- LMS-T

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

Latency

- Selectable down to sub 1 frame, 20 ms

Frame Rates

- 1080i 50/59.94/60
- 720p 50/59.94/60
- 1080p 50/59.94/60

UHF Receiver

- 410 MHz to 490 MHz frequency range
- FocalPoint camera control option for Sony support

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
- Optional Digital Pre-Distortion for enhanced adjacent channel performance

Video Inputs

- SDI/HD-SDI/3G SDI (BNC)
- HDMI (Type-D)
- Composite (LEMO)

HDMI

- Test signal: Colour bars

ASI (LEMO)

- Input (for service multiplexing)
- Output
- Input and Output on multifunction pins

GOP & PIDS

- GOP Selectable 1 to 30
- PIDs user configurable

Transmit Power

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

Transmit Antenna

- Omni Directional 3 dBi gain (nom.)

Audio Inputs

- Embedded audio over SDI/HD-SDI/ 3G SDI
- 1x analogue audio stereo pair (LEMO)
- Mic/Line level support with phantom power

Encoding

- H.264
- Profile 4.2.0/4.2.2 selectable
- 2 stereo audio pairs MP1L1 and MP1L2

Data Inputs

- RS232 input relayed to receiver e.g. for external GPS unit

Data Rate

- DVB-T 4.98 to 31.7 Mbit/s
- LMS-T up to 43 Mbit/s, bandwidth dependent (factory option)

User Interface

- OLED display for enhanced visibility

Power

- Power supply via LEMO e.g. to connect to D-Tap power source
- Extended operation voltage range 10 V to 32.2 V

Power Consumption

- Nominally 15 W in standard configuration (with L1750-1927)

Environmental

Operating Temperature:

- -10°C to +50°C (14°F to 122°F)

Size & Weight

Dimension:*

- 135 (L) x 40 (H) x 83 (W) mm (5.3 (L) x 1.5 (H) x 3.2 (W) in.)

Weight:**

- 550 g (1.2 lb.)

Optional Licenses

- L17XX-HD - L173x Licence H.264 HD 4:2:0 Encode
- L17XX-422 - L173x Licence 4:2:2 Encode
- L17XX-IP-OUT - L173x Licence IP Output
- L17XX-RMX - L173x Licence External ASI Input And Remux
- L17XX-CC - L173x Licence UHF RX Camera Control
- L17XX-1080p - L1731 Licence H.264 1080p Encode
- L17XX-LMSTV - L1750 Licence LMS-T Variable Bandwidth
- L17XX-DI - L1750 Licence Deep Interleaving

Notes:

Some features specified are available via optional licenses. Not all encoder interface options are concurrently available. We reserve the right to change specifications at any time without prior notice.

*Including removable heatsink mounts, excluding RF connectors

**Including removable heatsink, excluding antennas

***We recommend using the optional D-TAP cable to power the Barrel Booster

