



L1500 Wireless SD/HD Transmitter



SD and HD Portable Wireless Camera Back Transmitter

Overview

The L1500 is the most powerful and flexible wireless camera transmitter from Link Research. HD and SD transmission from the same unit.

- User-swappable RF modules covering 1 to 8.1GHz.
- Link's LMS-T modulation scheme for unrivalled wireless performance.
- Link's real time pre-distortion (LDPD) RF units for unrivalled adjacent channel performance
- Phantom power from the RF unit to power external booster amplifier
- Camera control options for Sony, Thomson, Ikegami and other cameras.
- Standard IDX, PAG or Anton Bauer camera and battery mounts can be specified.

The modular design of this transmitter allows you to start from a standard SD transmitter and add camera control and HD capability as and when you require. It has unmatched RF flexibility with the ability to change RF modules in the field as needed to cover a huge frequency range from 1GHz to more than 8GHz.

Features

- DVB-T: QPSK, 16 QAM, 64 QAM, 6,7 & 8 MHz
- LMS-T: QPSK, 16QAM, 10 & 20 MHz
- RF Modules from 1 to 8.1GHz
- SD Video Encoding: 4:2:0 and 4:2:2
- ASI Input and Output
- ASI Remux
- 4 Audio Channels, Line or Mic with Phantom Power
- Ultra Low Delay

Options

- HD Encoding: 4:2:0 and 4:2:2
- BISS
- Camera Control
- Deep Interleaving

Specifications

Inputs:

- SD Analogue Composite Video
- SD Analogue Component Video
- SD-SDI
- HD-SDI
- ASI

Audio Inputs:

- Analogue Audio (4 Mono / 2 Stereo)
- Line or Mic
- SDI
- 2 Embedded Audio Channels (4 Mono / 2 Stereo)

Outputs:

- Multi-band RF outputs @ 100mW ETSI or 250mW FCC [74.655(c)]
- ASI output

Control:

- Serial RS-232
- USB (code updates and profile loading)
- LCD on front panel

Frequency Range:

- 1.435 to 1.525 GHz (PN: 1510-1415)
- 1.95 to 2.7 GHz (PN: 1510-1927)
- 2.7 to 3.2 GHz (PN: 1510-2732)
- 3.2 to 3.6 GHz (PN: 1510-3236)
- 4.4 to 5.0 GHz (PN: 1510-4450)
- 5.2 to 5.925 GHz (PN: 1510-5259)
- 6.425 to 7.125 GHz (PN: 1510-6671)
- 6.8 to 7.5 GHz (PN: 1510-6875)
- 7.4 to 8.1 GHz (PN: 1510-7481)

- *1.95 to 2.7 GHz (PN: 1530-1927)
*(LDPD module with phantom power and dynamic power control)

Camera Control:

- UHF (410 to 450 MHz - Pn: L1520-4145)
(450 to 490 MHz - Pn: L1520-4549)

Encryption:

- EBS, BISS 1 & E

Modulation:

- DVB T (10MHz) - QPSK, 16QAM, 64QAM
- LMS-T (Link Modulation Scheme) (10MHz or 20MHz)
QPSK, 16QAM

Power Consumption:

- Approx 24W (30W with camera control)

Environmental

- Temperature: -10° C to +50° C
- Humidity: 95% Non-Condensing

Video Encoding

- SD MPEG-2 1.5 to 53 Mbps
- HD MPEG-2 4.5 to 97 Mbps

Audio Encoding

- Linear PCM
- MPEG-2 Layer 2 126 to 448 Kbps
- MPEG-2 Layer 1 126 to 384 Kbps

Dimensions:

- 62 (D) x 183 (H) x 120 (W) mm (without battery plate)
[2.5" (D) x 7.2" (H) x 4.7" (W)]

Weight

- 1.2 Kg (2.65 lbs.)



L1500
Bottom View
Connections

VISLINK
www.vislink.com