

Link Research are at the forefront of digital wireless camera design. LinkXP1 and 2 are the systems of choice with users around the world.



LinkXP2

The ideal solution for sporting events and other applications requiring reverse camera control. The complete system for now and the future.

LinkXP1

Ideal for news gathering and mobile applications, Racing car, Motorbike and Helicopter use.

Features LinkXP 1&2

- Lowest Signal Delay of 1 frame, 40mS.
- Diversity reception for the most robust service.
- Low power ie. long battery life.
- DVB-T COFDM, MPEG2, 4:2:2.
- International-All standards supported. PAL, NTSC, etc.
- Frame lock input as standard.
- Instant receiver recovery without blanked screens.
- Complete system with receivers, downconverters and antennas.
- Low delay independent of bit rate.

The LinkXP wireless camera systems owe their heritage to Link's L1000 encoder modulator products which pioneered low power, low delay encoding in a very small package.

New features are frequently added to the LinkXP systems, either by software upgrade or new components. Upgrade compatibility is our aim, giving our customers a defined upgrade path.



The LinkXP systems are in constant use for news gathering, football matches, marathons, golf events and many other outside broadcast events.

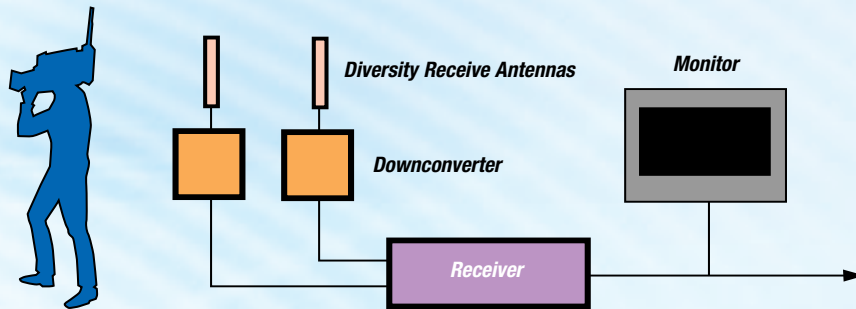
Diversity, outside and inside

Inside use includes awards ceremonies, concerts and TV shows. Mobile use includes racing cars, helicopters, motorcycles and off-road vehicles.

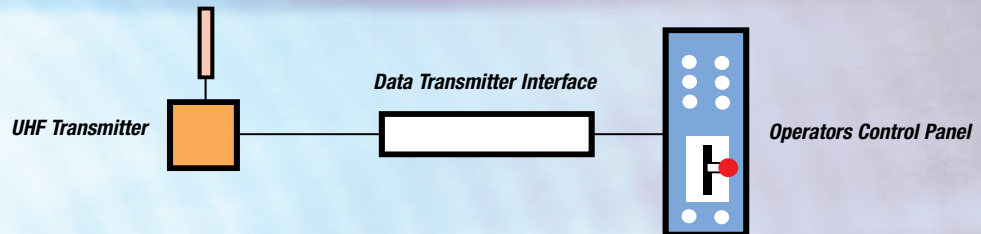


A Typical System

A simple, fast set up results in superb coverage at the touch line or similar event.

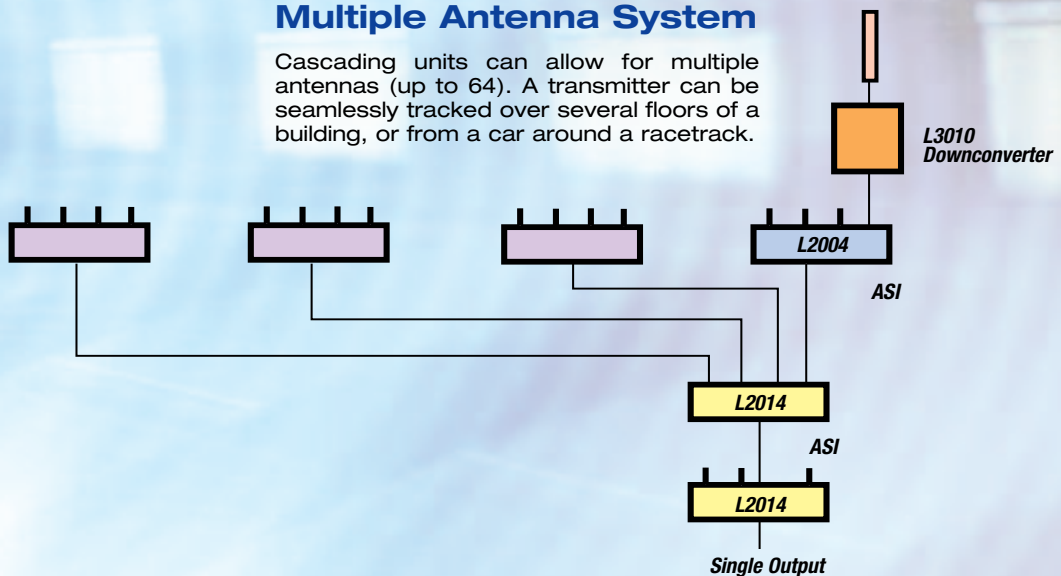


With LinkXP2 the operators control panel is added to give full camera control to set colour balance etc.



Multiple Antenna System

Cascading units can allow for multiple antennas (up to 64). A transmitter can be seamlessly tracked over several floors of a building, or from a car around a racetrack.



The Future

Link Research intend to stay ahead of the field in digital wireless cameras. A major investment programme is in place to both improve current performance and add new features. Improvements in dynamic range, signal integrity, enabling higher bit rates are in progress together with new frequency ranges, booster amplifiers for vehicle use, triax solutions and reverse video. Customer support is key to Link Research and designing for compatibility with existing products is one aspect of this.

System Components

L1200



LinkXP2

L1200 Wireless Camera Transmitter Range

- Standard BVV-5 camera interface.
- Modular chassis, future proof concept.
- Control of tally, white balance, iris etc.
- Industry standard UHF reverse control.
- Microphone and line audio inputs.
- Compatible with LinkXP1 components and specification.

LinkXP1

L1100 Wireless Camera Transmitter Range

- Inputs:- composite video, component video, SDI.
- Two audio stereo pairs.
- Output S-band 50Ω N type connector.
- Frequency range 1.9 to 2.7 GHz.
- Configuration via Infra Red control plus front panel profile selection.
- Power consumption less than 18W.
- Encoding 4:2:2 DVB High Quality, Low Delay.
- Band width 6, 7 & 8MHz selectable.
- Modulation DVB-T COFDM, 2k carriers.
- Dimensions 234 x 84 x 44mm Weight 1.05kg.
- Transmit Power 10-100mW nominal.
- ASI and 70MHz output option module.



L2102 Diversity IRD

- Input UHF from downconverters
- Diversity reception.
- ASI, SDI and video outputs.
- Dimensions 210 x 227 x 48mm
- Fast picture recovery.
- Ultra low delay.
- 4 input and other versions available.



L1100



L3010 Downconverter

- 1.9-2.7GHz input.
- UHF output.
- Dimensions 170 x 129 x 37mm.



Operators Control Panel

- Support for 1-8 units

Other system components not shown:-

- L9020 IR Remote Control
- Omni Directional and 180 degree antenna
- L1252 Data Transmitter Interface
- L3201 Amplifier 1W.