

## Clip-On 4

### Camera Transmitter

Designed for use with both HD and SD cameras for electronic newsgathering, television outside broadcasts and studio applications, with latency down to one frame (33ms), and using the latest H.264 or MPEG-2 encoding, the Clip-On 4 offers exceptional picture quality and capability. No other wireless camera system can match the outstanding RF performance of the Clip-On 4. Full remote control of broadcast cameras is available when used in conjunction with the Vislink Camera Control system..



## Key Features

- Interchangeable RF Modules
- Built in Wireless Camera Control (option)
- Ultra Low Delay down to 20ms H.264
- Future proof for 1080p software upgrade
- Add on PA Barrel Booster option
- Encryption BISS 1 and E, or AES256 (option)

## Typical Applications

- Event Coverage
- Newsgathering
- Sports Coverage

### Frequency Band

- 1.3 - 7.5GHz (consult factory for other bands)

### Modulation Modes

- QPSK, 16QAM, 64QAM
- FEC: 1/2, 2/3, 3/4, 5/6, 7/8 (modulation dependant)
- Guard interval: 1/32, 1/16, 1/8, 1/4

### GOP & PIDs

- GOP Selectable 1 to 30
- PIDs user configurable

### ASI Input

- ASI input, selectable through front panel menu
- Built in ASI MUX
- ASI output

### Tuning Range

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

### Bandwidth

- DVB-T 6, 7, 8MHz switchable
- LMS-T scalable 3 to 24MHz (factory option)

### Video Input

- SDI HD SMPTE-292M (299M) 1080i / 720p / 1080P
- SDI SD SMPTE-259M (272M) 576i / 480i
- Analogue: CVBS (PAL/NTSC) or component YUV, Y/C

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

- Selectable 1200 to 230,400 baud

### HDMI

- Test signal: Colour bars

### Encryption

- BISS modes 1 and E, or AES256 (factory options)

### Frequency Selection

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

### Data Rate

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

### Audio Input

- 4 channels, Analogue mic/line switchable
- SDI embedded, AES digital, HDMI
- Audio encoding rate selectable 128, 256, 384kBit/s
- Test signal: Audio tones

### HDMI

- Test signal: Colour bars

### Remote control

- Ethernet port, web browser interface.

### Transmit Power

- Adjustable 10 to 200mW, (or add Barrel Booster option).

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- LMS-T up to 43Mbit/s, bandwidth dependant (factory option)

### Audio Input

- 4 channels, Analogue mic/line switchable
- SDI embedded, AES digital, HDMI
- Audio encoding rate selectable 128, 256, 384kBit/s
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### Power Supply

- 10 - 35V DC

### Transmit Antenna

- Omni Directional 4dBi gain (nom.)

### Size & Weight

- 178 x 106 x 91mm (including connector), 0.95kg

### Encoding

- H.264/MPEG-4, level 4.1 video, or MPEG-2
- Profile 4.2.0 / 4.2.2 selectable
- Audio MPEG-1 layer 2 / layer 1 selectable

### Modulation

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

### Transmit Antenna

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### Environmental

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

### Latency

- Selectable down to sub 1 frame, 20ms

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