

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 ClipOn-4 offers exceptional picture quality and capability. No other wireless camera system can match the outstanding RF performance of the ClipOn-4. Full remote control of broadcast cameras is available when used in conjunction with the Gigawave 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



SPECIFICATIONS

Frequency Band

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

Tuning Range

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

Frequency Selection

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

Transmit Power

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

Transmit Antenna

- Gigawave Omni Directional 4dBi gain (nom.)

Modulation

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

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

Bandwidth

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

Data Rate

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

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

Latency

- Selectable down to sub 1 frame, 20ms

GOP & PIDs

- GOP Selectable 1 to 30
- PIDs user configurable

Video Input

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

HDMI

- Test signal: Colour bars

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

ASI input

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

User Data input (camera control return data)

- Selectable 1200 to 230,400 baud

Encryption

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

Remote control

- Ethernet port, web browser interface.

Power Supply

- 10 - 35V DC

Size & Weight

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

Environmental

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

