



HD D-Cam 'Clip-On'

High Definition Digital Wireless
Camera Transmitter



Designed for use with both HD and SD cameras for electronic newsgathering, television outside broadcasts and studio application. The HD D-Cam offers exceptional reliability and performance. No other wireless camera system can match the outstanding RF performance of the HD D-Cam. Used in conjunction with the Gigawave Camera Control system, full remote control of broadcast cameras is available.

The transmitter is available with the choice of COFDM DVB-T, or ISDB-T modulation (with Time Interleaving FEC).

Frequency Band

1.3 - 7.5GHz (other bands may be available)

Tuning Range

300MHz standard bandwidth (wider bandwidths available to special order)

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

Switchable 100/200mW

Transmit Antenna

Gigawave Omni Directional 4dBi gain (nom.)

Modulation

COFDM DVB-T 2K or ISDB-T (factory option), 2K, 4K, 8K with Time Interleaving selectable 100ms, 220ms, 440 ms

Modulation Modes

QPSK, 16QAM, 64QAM

FEC: $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$ $\frac{7}{8}$

Guard interval: $\frac{1}{32}$ $\frac{1}{16}$ $\frac{1}{8}$ $\frac{1}{4}$

Data Rate

4.98 to 31.7 Mbit/s

Encoding

Factory options:

SD/HD MPEG4/H.264

SD/HD MPEG2

Latency

Selectable to less than 2 frames, Tx to Rx

Bandwidth

Switchable 6, 7, 8MHz

Video Input

SDI HD SMPTE-292M (299M)

SDI SD SMPTE-259M (272M)

Analogue: YUV, Y/C component or composite (PAL/NTSC)

Audio Input

2 channels, Analogue mic/line switchable

SDI embedded

AES digital

Power Requirements

11 - 16VDC (18W)

Mechanical Interface

Transmitter normally mounts between battery and battery interface plate

Size & Weight

160 x 130 x 54mm 0.95kg (including antenna)

Environmental

Temperature: -20° to +50°C

Altitude: 4500m

Humidity: 95% humidity long term

ASI input

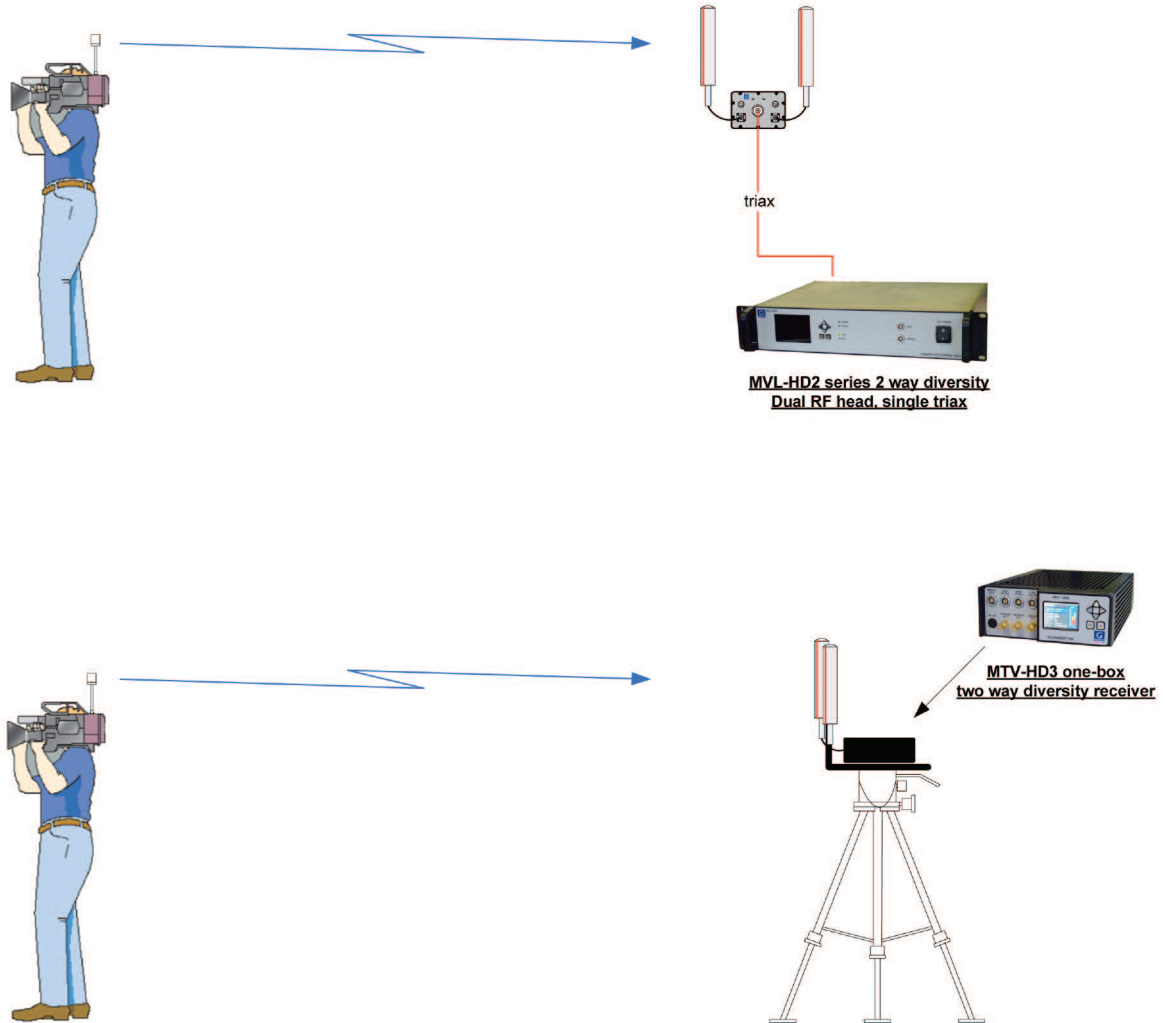
ASI input, selectable through front panel menu



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Typical D-Cam HD/SD System with Diversity Receiver Options



Gigawave designs and manufactures a wide range of portable and fixed microwave equipment for television outside broadcasts, electronic newsgathering and security applications.

Important Information:

Some products are supplied in SD (Standard Definition) only versions. Please contact the Gigawave Sales Team for HD (High Definition) upgrade options.

Specifications may alter at the discretion of Gigawave or to meet customer specific requirements.

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