



D-Cam 'Clip-On' - Digital Wireless Camera Transmitter

Designed for electronic newsgathering (ENG) and other applications where camera crews need to record the footage they shoot, as well as transmit live images. With identical performance to the 'Dockable' D-Cam, the transmitter simply clips onto the camera's battery adaptor plate, transforming a standard newsgathering camcorder into a digital wireless camera!

Frequency Band

1.3 - 7.5GHz band (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

100mW or higher subject to customer requirements

Transmit Antenna

Gigawave Omni Directional 4dBi gain (nom.)

Modulation

COFDM DVB-T 2k

Modulation Modes

QPSK, 16QAM, 64QAM

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

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

Menu selectable via front control panel

Data Rate

4.98 to 31.7 Mbit/s

Bandwidth

8MHz (6 & 7MHz available to special order)

Encoding Options

MPEG 2 4:2:0/4:2:2 high quality video (DVB standard)

Latency

Selectable to 40ms, Tx to Rx

Video Input

Digital: SDI 270Mbit/s

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

Audio Input

2 x analogue inputs, mic/line selectable

Power Requirements

11 - 16VDC (18W) available with interface plates to suit Anton Bauer, IDX, PAG and other batteries (to be specified at time of order) or via external socket input

Mechanical Interface

Transmitter normally mounts between battery and battery interface plate

Size

160 x 130 x 54mm

Weight

0.95kg (including antenna)

Environmental

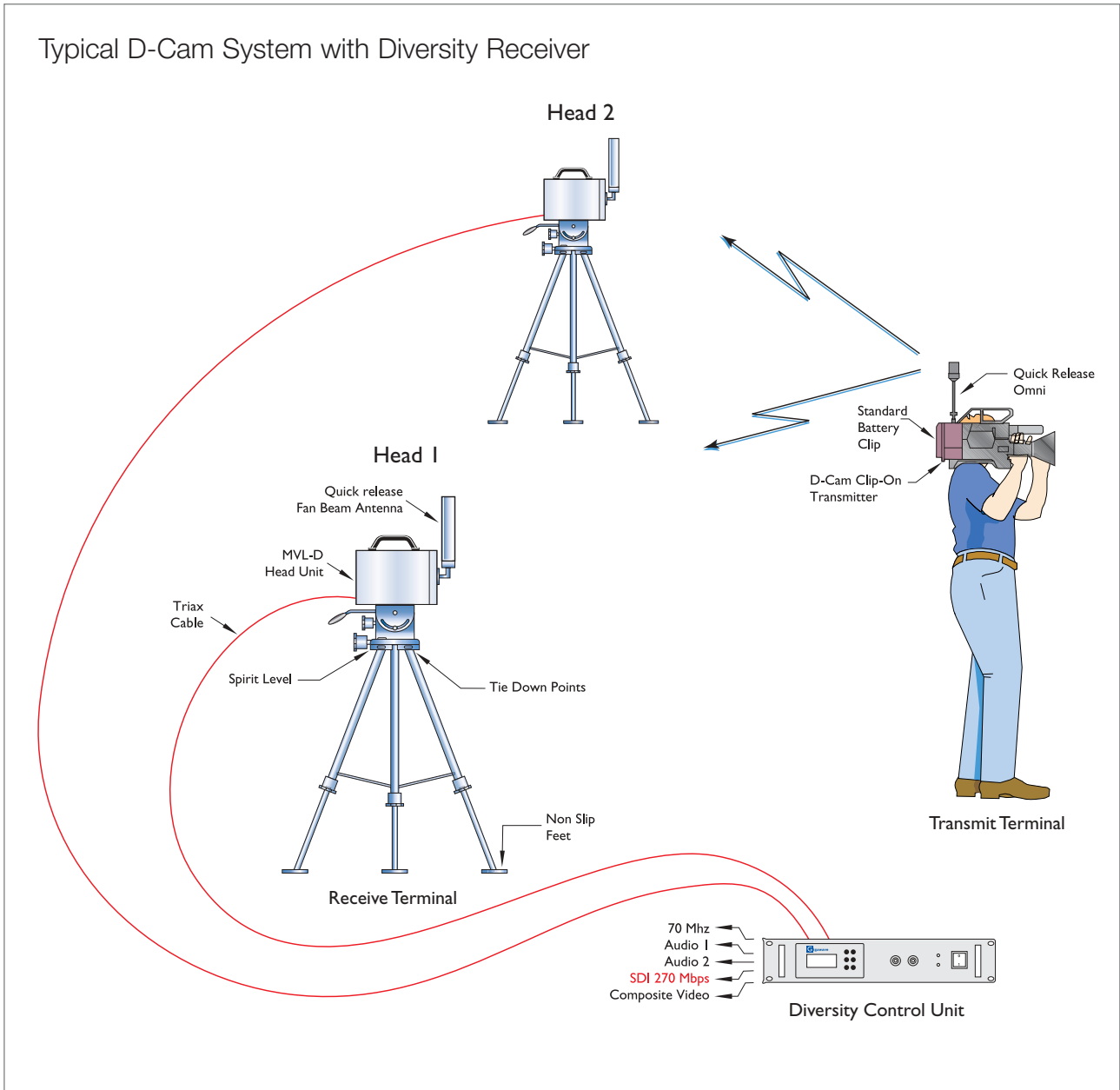
Temperature: -20° to +50°C

Altitude: 4500m

Humidity: 95% humidity long term

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Typical D-Cam System with Diversity Receiver



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

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