

## HEROCast BacPac™

### Compact Wireless Transmitter

The HEROCast BacPac™ is the smallest and lightest COFDM wireless transmitter from Vislink. It is designed to be a fully integrated with a GoPro Camera\*, dive housing and battery, forming a waterproof system. The innovative design allows the HEROCast BacPac™ to be the most power efficient solution on the market with up to 50% better efficiency than its competitors. The transmitter uses H.264 encoding to offer the highest picture quality and low latency. No other wireless micro transmitters can match the outstanding performance of the HEROCast BacPac™.

\*Compatible with GoPro HERO3+ Black, HERO4 Silver & HERO4 Black cameras.

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### Key Features

- Lightest COFDM HD micro transmitter in the market
- Can be integrated to a GoPro Camera
- H.264 encoding
- Low Delay
- Low power consumption typically 4.1 W
- Rugged design to operate in harsh environments
- Supports DVB-T & Vislink's LMS-T modulation for full HD quality

### Typical Applications

- Event Coverage
- Sports Coverage
- On-board Coverage
- Extreme Sports Coverage
- Water Sports Coverage

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## RF Parameters

### Frequency Range

- 1.95-2.7 GHz

### Output Range

- >500m (1640 ft.)

### Modulation

- DVB-T
  - Bandwidths of 6/7/8 MHz modes
  - QPSK, 16QAM, 64QAM
  - FEC 1/2, 2/3, 3/4, 5/6, 7/8
- LMS-T proprietary modulation for enhanced mobile operation
- LMS-T bandwidths of 4, 5, 6, 7, 8, 10, 12, 14, 16 or 20 MHz with 2 carrier density options
- QPSK, 16QAM
- FEC 2/3

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## Video Parameters

### Video Encoder

- H.264 very low latency HD AVC encoder/MPEG-4 Part 10

### Bit-Rate

- Rates 3.73 Mbps to 36.86 Mbps

### Frame Rates

- 1920x1080i 59.94/50 Hz
- 1280x720p 59.94/50 Hz

### Audio Encoder

- MPEG-1 Layer 2

### Video Inputs

- Via Micro HDMI connector

### Audio Inputs

- Embedded Audio over HDMI

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## User Interface

### Control

- Buttons for RF On/Off and Preset selection
- 2x multi-colour LEDs for status indication
- USB Control with Windows and Mac applications

## Mechanical Parameters

### Dimensions

- 67.1mm (w) x 50.6mm (h) x 40.3mm (d)

### Weight

- Weight of transmitter: 175g

## Prime Power Parameters

### Power

- Power supply via GoPro Hero4 battery BacPac™
- Power supply via battery eliminator (optional)
- Battery Power Approx. 40 minutes\*\*

### Power Consumption

- Nominally 4.1 W in standard configuration

\*\*Battery life may vary due to environmental conditions (e.g. Temperature).

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## Environmental Parameters

- Operating Temperature: -10 to +50 °C (14°F to 122°F)
- Ingress protection: IP67 (when used with GoPro Dive Housing)
- Humidity: <85% Non-condensing
- Shock tested to 200g
- Vibration tested to same level as GoPro camera