

## ViewBack

The Vislink ViewBack is a lightweight, low power, low latency, dual channel diversity receiver-decoder, intended primarily to provide reception of return studio video transmission back to the camera operator.

Other applications include reception of camera / studio output to a 'production' monitor on set, or as a wireless 'autocue' receiver.

Operating over a wide frequency range, the receiver supports Vislink proprietary robust LMST demodulation in addition to low latency H.264 decoding. DVB-T and MPEG2 optionally available.

Outputs include HDMI™ and HDSDI, the latter being switchable, in wireless camera applications, between the local camera video and the return received video. A lens interface is provided to utilise the 'return' button of the camera lens for switching the HDSDI output.

On switching, picture interruption is avoided by use of local 'frame lock' information extracted from the camera source.

The Vislink ViewBack is supplied with flexible quarter-wave antennas, and various mounting options for camera and Steadicam rigs.

User control is achieved using the Vislink App over Bluetooth™, available for Android and iOS devices.



## Key Features

- Ideal for use on Steadicams
- Supports LMS-T modulation
- Remote control via Bluetooth
- HDMI & HDSDI outputs

## Typical Applications

- Sports Coverage
- Event Coverage

## RF Specification

### Frequency Range

- 100 MHz to 4 GHz direct inputs with band specific filtered SMA antennas

## Demodulation

### Demodulation LMS-T

- Bandwidths of 5/6/7/8/10 MHz & Dual LMS-T 10/12/14/16/20 MHz
- QPSK, 16QAM (auto-detected)
- FEC 2/3
- Dual RF diversity

### Demodulation DVB-T \*

- Bandwidth of 6/7/8 MHz
- Dual RF Diversity

\*Factory Option.

### Frame Rates

- 1920x1080i 59.94/50 Hz
- 1920x1080p 29.97/25 Hz
- 1920x1080p 30/60 Hz
- 1920 x 1080 p23/p24 (420 20ms mode, 422 1 frame mode)

### Audio Decoder

- MPEG1 L2

### Video Decoder

- H.264 SD/HD AVC encoder/MPEG-4 Part 10
  - MPEG-2\*
  - Vislink low delay compatible
- \*Factory option.

### Video Outputs

- HDMI 1.4 receptacle connector
- 2x 75Ω mini BNC, switchable between camera output & received video

### Bit Rate

- Dependent on bandwidth and application\*

\*See bitrate table in the operation section of the manual.

### Video Inputs

- HD-SDI (from camera output)

### ASI Input

- ASI source to decoder as an alternative to the internal demodulator

## User Interface

### Remote Control

- Low Energy Bluetooth V4 control\*
- Range ~3 Meters

\*Available for iOS & Android devices.

## Camera Interface

### Interface

- Standard Hirose 12-pin Female 'lens return' interface (HR10A-10R-12S)
- External Y-cable is supplied to intercept camera/lens signals

## Physical/Environmental Specifications

### Dimensions

- 83 mm (W) x 134 mm (D) x 20 mm (H)

### Weight

- 400 g

### Power

- DC 10 – 34V pin-1 +Ve, pin-2 0V\*

\*CONN-LEMO-EGG7 on unit.

### Power Consumption

- <14 W

### Operating Temperature

- -10 to 50°C

### Humidity

- <85% Non-condensing