

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 (up to 4GHz) the receiver supports Vislink proprietary robust LMS-T 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 made available via the Vislink App over Bluetooth™. The App is available for Android and iOS devices, and PC.



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/ 12 MHz & Dual LMST 10/12/14/16/20/24 MHz
- QPSK, 16QAM (auto-detected)
- FEC 2/3
- Dual RF diversity

Demodulation DVB-T *

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

Frame Rates

- 480i@59.95
- 576i@50
- 720p@50/59.95
- 1080i@50/59.95/60
- 1080p@23.98/24/25/29/30/50/ 59.94/60

User Interface

Remote Control

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

*Available for iOS & Android devices and PC.

Audio Decoder

- MPEG-1 L2
- AAC

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

Camera Interface

Interface

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

Video Inputs

- HD-SDI (from camera output) Mini-BNC

ASI Input

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

Physical/Environmental Specifications

Dimensions

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

Weight

- 400 g

Power

- DC 10 – 34V pin1 +Ve, pin2 0V*

*CONNLEMOEGG7 on unit.

Power Consumption

- <14 W

Operating Temperature

- -10 to 50°C

Humidity

- <85% Non-condensing