

The SilverBACK

Camera-mounted Fiber Transport

- 3G HD Camera Video
- 4-CH Audio
- Camera Control & Tally
- PL Intercom
- Battery Powered



DESCRIPTION

The Silverback is a camera-mount fiber transport solution for sports, ENG or studio application where a compact, battery powered fiber transport is required. The SLB-HD-35 is designed to slide into the battery bracket on your portable camera. The SilverBACK fiber optic link is designed to transport camera video from 270Mb to 3G HD along with four channels of audio. The camera operator can take advantage of the two-way, four-wire audio channel for intercom and have the advantage of knowing when he is "ON-AIR" with the built-in Tally signal. Video engineers manning the camera CCU can easily control camera functions with the two-way data path. The SilverBACK only requires one single-mode fiber to operate.

The SLB-HD-35HD allows camera operators to benefit from the use of high-performance 1.5Gb HD viewfinders. The SilverBACK also supports intercom headsets using a hybrid fiber & copper cable design. This cabling solution ensures recovery of camera video, viewfinder video and program audio all via fiber optic transmission, while using the copper feeds to economically handle the intercom interface with beltback support. The SLB-HD-35 & the HD-35-HD both feature a convenient spare re-clocked output for locally monitoring the camera output.

The SLB-2HD was the pioneer in the SilverBACK family. News and event coverage rarely offer a chance to replay the action, so redundant fail-safe fiber solutions are the best approach. This version of the SilverBACK features dual transmitters mounted on the back of the camera, with an independent fiber for each device.

All models include an AntonBaur plate for the battery as well as the reciprocal plate for camera mounting. V-Mount is also available. The Silverback comes in three models (see 2. page).

SPECIFICATIONS

VIDEO PERFORMANCE

Re-clocked input video BNC
Complies to SMPTE Standards: 259M, 292M & 424M
Passes 270Mb, 1.5Gb & 3G HD camera video

AUDIO PERFORMANCE

Input level: max level 28dB
Input Impedance: 600 ohm or Hi-Z

INTERCOM PERFORMANCE

Two-way, four-wire line-level audio
Input Impedance: 600 ohm
Output Impedance: 50 ohm

CAMERA CONTROL

RS-232 or RS-422

OPTICAL

Transmitter wavelength: -1310nm over
8.3/125 single-mode fiber
Launch power: -5dB, +/-2dB
Receiver sensitivity: -20dB
Connector type: Neutrick opticalCON or ST

MODELS / SOLUTIONS

OPTION #1:

One-way HD-SDI w/ Audio, Intercom (4W), Data, Tally

SLB-HD-35-TX-ST	The SilverBACK Camera Back Fiber Transport Link Transmitter: 3G HD-SDI Camera Video, 4-Ch Audio, 2-Ch 4 Wire Intercom, Camera Control & Tally. Includes battery mount & camera mount, Requires 1 Single-mode fiber with ST connector	Order-#: 8629-1006-01
SLB-HD-35-RX-ST	The SilverBACK Fiber Transport Link Receiver: 3G HD-SDI Camera Video, 4-Ch Audio, 2-Ch 4 Wire Intercom, Camera Control & Tally. Stand-alone/portable or rack mountable, Requires 1 Single-mode fiber with ST connector.	Order-#: 8629-1007-01

OPTION #2:

2 Channels of 3G HD-SDI

SLB-2HD-TX	The SilverBACK Camera Back Fiber Transport Link Transmitter: 2-Ch 3G HD-SDI Camera Video for the ultimate in redundant video recovery. Includes battery mount & camera mount, Requires 2 Single-mode fibers with opticalCON DUO connector	Order-#: 8629-1008-01
SLB-2HD-RX	The SilverBACK Fiber Transport Link Receiver: 2-Ch 3G HD-SDI Camera Video for the ultimate in redundant video recovery. Stand-alone/portable or rack mountable, Requires 2 Single-mode fibers with opticalCON DUO connector	Order-#: 8629-1009-01

OPTION #3:

Two-way HD-SDI w/ Audio, PL Intercom, Data, Tally

SLB-HD-35HD-TX	The SilverBACK Camera Back Fiber Transport Link Transmitter: 3G HD-SDI Camera Video with Return HD-SDI Video, 4-Ch Audio, PL Intercom, Camera Control & Tally. Includes battery mount & camera mount, Requires 2 Single-mode fibers with opticalCON DUO connector.	Order-#: 8629-1010-01
SLB-HD-35HD-RX	The SilverBACK Fiber Transport Link Receiver: 3G HD-SDI Camera Video with Return HD-SDI Video, 4-Ch Audio, PL Intercom, Camera Control & Tally. Stand-alone/portable or rack mountable, Requires 2 Single-mode fibers with opticalCON DUO connector.	Order-#: 8629-1011-01