

SMPTE Hybrid Elimination Devices



Operate your SMPTE Hybrid fiber-equipped cameras on ordinary single mode optical fibers

Your SMPTE fiber-equipped broadcast cameras are available with hybrid optical fiber/wire interfaces. In many applications, such as pre-fibered sports venues, you may want to use completely non-metallic optical fiber cables. Telecast's SHED™ (SMPTE Hybrid Elimination Devices) family allows you to replace the majority of your bulky, expensive hybrid wire/fiber cables with low cost, conventional single mode fiber cable.

This set consists of two adapters, which convert from hybrid camera cables with Lemo connectors to standard all-fiber cables and connectors. The adapters perform two

functions. The first is to allow the camera and base station to communicate on two ordinary, inexpensive single mode fibers. The other function is to provide the appropriate power delivery option for your camera.

Longer Range, Standard Fiber

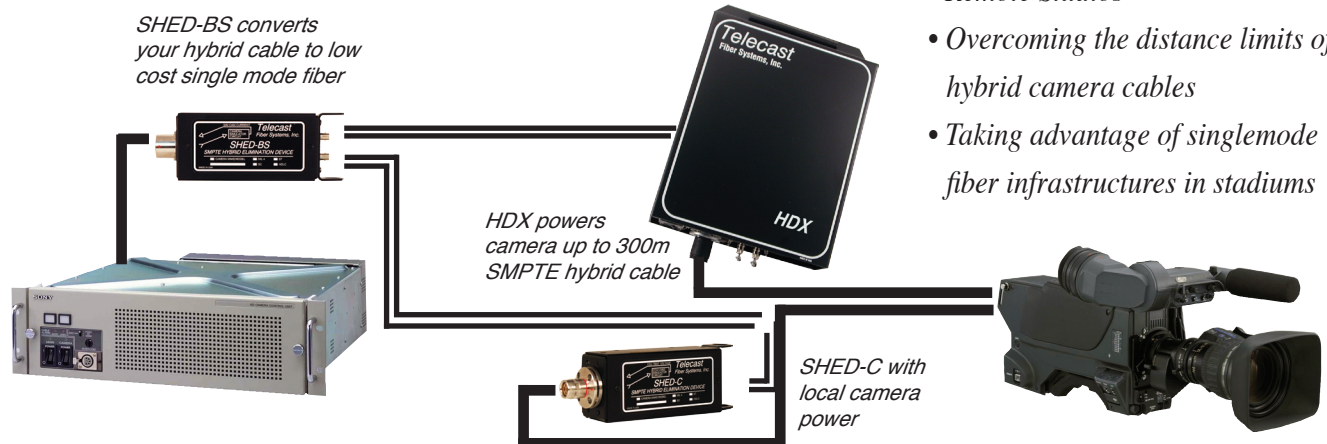
Telecast's SHED devices allow your cameras to communicate over common, telecommunications grade single mode fiber. In addition, the distance capability of the cameras is now several times greater than is possible with power-limited hybrid cables, and the cost of fiberizing the venue drops dramatically.

Features

- Allows the use of conventional single mode fiber cables
- Uses inexpensive ST connectors
- Extends distance limits of camera
- Provides power to camera, or permits local powering
- Small, lightweight adapters
- Built-in Optical Power Meter
- Front Panel Status Monitoring
- Safety Interlock on HDX
- Remote Shut-off of Camera Head
- Fast plug-and-play operation
- For Sony and Ikegami HD Cams
- HDX also Supports PowerPlus and powered POV systems
- TelePort/TeleThon ready for CWDM optical multiplexing

Applications

- Remote Sports Broadcasting
- Remote Studios
- Overcoming the distance limits of hybrid camera cables
- Taking advantage of singlemode fiber infrastructures in stadiums



Various Camera Power Options

SHED adapters offer you several options to power your camera. You may locally power your camera with its AC power supply or camera battery. Or, using the HDX unit, power the camera through up to a 300m of hybrid cable. The HDX unit derives power from any AC mains source.

The convenience of Remote Shut-Off

With this powerful option, shutting down your camera for the night is as easy as turning off the CCU. This is not such a big deal at the local arena but is a major time saver at the racetrack or up on the ski hill.

And Optical Power Monitoring

Displays prominently show the type of load attached to the HDX as well as the received optical power coming from the CCU. A vital troubleshooting tool when installing your systems.

Supported Camera Systems:

| | |
|---------|---|
| Sony | HDC1000, 1400, 1450, 1500, 1550 w/ HDCU1000 and 1500 |
| | HDC3300 w/ HDCU3300 |
| | HDC 700, 750, 900, 930, 950 |
| | BVP-9500WS |
| | BVP-950/CA950 w/ CCU 900 |
| Ikegami | HDK-79E, HDK-790E |
| | HDK-725P, HDK-725 |
| | HDK-75EX, HDK-79EX |
| | HDK-79EXII, HDK-790EXII |
| | HDK-79EXIII, HDK-790EXIII |
| | HDK-727P, HDK-727 |
| | HDK-79EC |
| | (all with CCU-790, 790A, 890) |



The HDX-FR-2 Frame accepts two HDX units (without shroud) for convenient rack mounting

The SHED-6 is a cost-effective way to have six SHED-BS units in just 1RU of rack space.

Specifications

Electro-Optical

Note: SHEDs and HDXs are optically passive
Fiber type

Single mode

HDX Indications

AC IN - MAINS power present

DC HV ENABLE - DC voltage is required for sensed load

AC HV ENABLE - AC voltage is required for sensed load

HV PRESENT - AC or DC voltage is available on Hybrid connector
CABLE OPEN - Hybrid cable to cam head is shorted

CABLE SHORT - Hybrid cable to cam head is open

REMOTE PWR ENABLE - Cam will power if CCU is ON



Mechanical/Environmental

Dimensions (LxWxH)

| | |
|--------|--------------------|
| HDX | 13" x 3.5" x 8.5" |
| SHED | 7.5" x 2" x 2.5" |
| SHED-6 | 17.4" x 9" x 1.75" |

Weight

| | |
|--------|---------|
| HDX | 8.5 lbs |
| SHEDs | 1 lb. |
| SHED-6 | 5 lbs. |

Connector

| | |
|------------|------------------------------|
| Electrical | IEEE 3-pin (XLR-4 on SHED-6) |
| Optical | LEMO, ST, SC, MX |

HDX Input Voltage

110-240 VAC

Output Max Load

200 VA

Power Consumption

< 20 Watts

Indicators

Power On, Voltage Indications, Optical Power

Temperature Range

-20° C to +55° C



A **BELDEN** BRAND

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