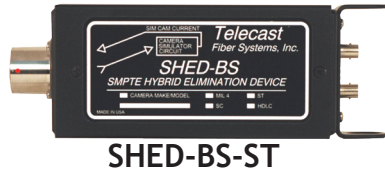


SMPTE Hybrid Elimination Devices



SHED-BS-ST



SHED-C-ST



HDX-2-RC-ST

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

There are many instances when using SMPTE 311M hybrid fiber/copper cable is not practical when connecting cameras to CCUs:

- No SMPTE cable installed in venue
- Distance too long
- SMPTE cable too expensive
- SMPTE cable too heavy
- SMPTE cable & connectors fragile/ not reliable
- SMPTE connectors difficult to clean/maintain
- Need quick setup and/or strike
- RF interference or ground loops

Telecast's family of SHED™ (SMPTE Hybrid Elimination Device) technology allows your cameras to be used with low cost,

conventional single mode fiber cable instead of SMPTE 311M hybrid fiber/copper cables. This permits use on any facility's infrastructure fiber, or connect with industry standard mil-spec, tactical fiber in the field, using standard fiber connectors, such as STs, SCs, MXs, or OpticalCON.

MORE RELIABLE, LONGER RANGE

Eliminating the SMPTE cable for the bulk of your camera-to-CCU connection improves reliability, lowers the cable cost, and increases the distance you can connect your cameras by several times.

TWO POWER OPTIONS

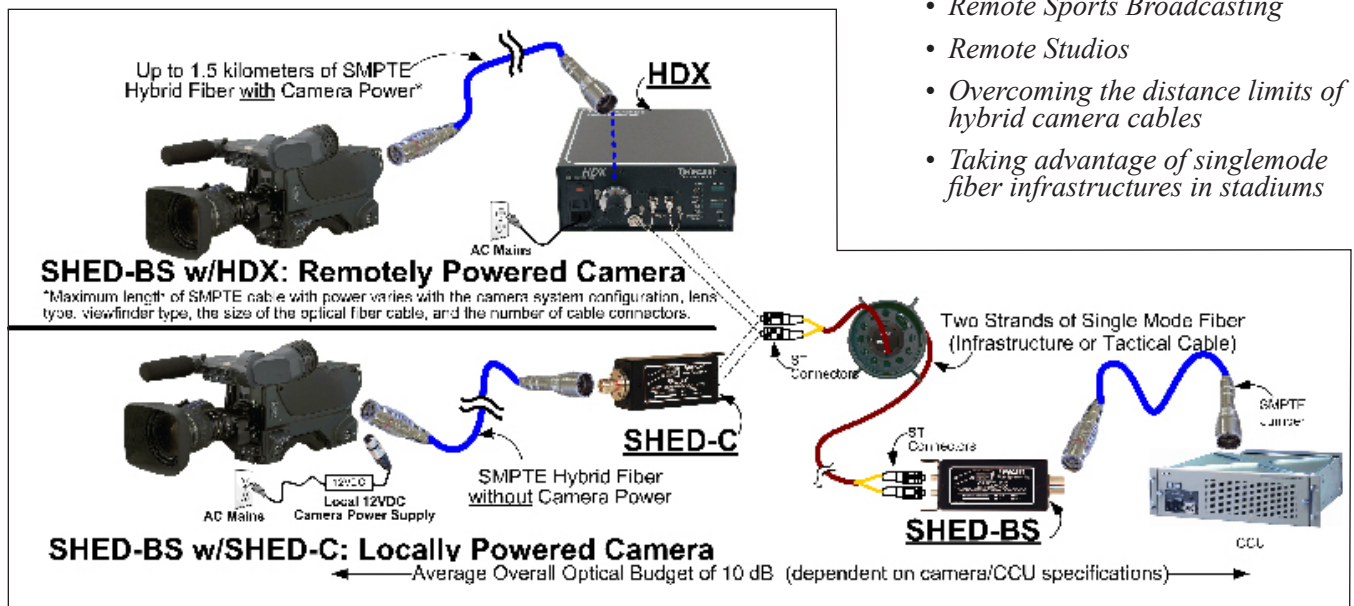
You can power the camera locally, or reinject power back into the camera-side SMPTE cable in the field using the HDX device.

Features

- Allows the use of conventional single mode fiber cable
- Infrastructure Fiber
- Tactical Fiber cable
- Uses common ST, SC, MX or OpticalCON 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 (optional)
- Fast plug-and-play operation
- Can be used with TelePort/ TeleThon for CWDM optical multiplexing
- All camera signals on lightweight fiber cable
- Digital SDI or HD/SDI program video
- HDX also supports CopperHead PowerPlus and powered POV systems

Applications

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



Tougher than SMPTE Hybrid, Triax, or Coax

Telecast's TAC-series fiber cables are lightweight and flexible, and stand up better to abuse, temperature extremes, vehicle traffic and flexing than any copper-based cable. Three sizes of Telecast OX-Frame™ reels give you the length you need.



OX-Frame reel with TAC cable

Two Ways to Power Your Camera

Power the camera with a local AC power supply or camera battery. Or, using the HDX unit connected to any AC mains, power the camera up to 1500m* via SMPTE 311M hybrid cable.

Optical Power Monitoring

Two four-digit alphanumeric displays show what type of camera is attached to the HDX as well as the received optical power from the CCU, providing vital information for troubleshooting your system.



Remote Camera Power Shutdown Option

This option permits shutting down your locally-powered camera from the CCU's control panel, a major time saver when your camera is located far from your control room.

Up to Eight Cameras On One or Two Fiber Strands!

The SHED/HDX can be combined with Telecast's Teleport and TeleThon technology, multiplexing eight HD cameras, 2,048 AES or analog audio channels, or a mix of HD/SDI, SD/SDI, analog video, ethernet, and intercom, all onto one or two strands of fiber and carried over ten kilometers away! See Teleport/Telethon datasheet for more details.



The HDX-FR-2 Frame accepts two HDX units for convenient rack mounting

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



Supported Camera Systems:

Sony	HDC1000, 1400, 1500 w/HDCU1000/1500 HDC1450, 1550 w/HDCU1000/1500 & HDFX-100 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)
Thomson	All LDK-6000 and 8000 Series
Panasonic	AK-HC931B, AK-HC3500

Ordering Information

CCU Side

All camera/CCU combos SHED-BS or SHED-6-BS

Camera Side

	Standard		Remote Camera Power Shutdown Option
	Unpowered	Powered	Powered
Sony & Ikegami:	SHED-C	HDX-2	HDX-2-RC
Thomson:	SHED-C	HDX-2-THOM	HDX-2-THOM-RC
Panasonic:	N/A	HDX-2-PAN	HDX-2-PAN-RC

Rack Mount for HDX

Rack Mount Kit for two HDX units: HDX-FR-2
Blank Plate for HDX-FR-2 13013-028

Fiber Connectors

All HDX and SHED devices can be equipped with ST, SC, MX, or OpticalCON connectors. Please specify when ordering.

Specifications

Electro-Optical

Note: SHEDs and HDXs are optically passive

Fiber type Single mode

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	10.5 lbs
SHEDs	1 lb.
SHED-6	5 lbs.

Connector

Electrical	IEEE 3-pin (XLR-4 on SHED-6)
Optical	LEMO, ST, SC, MX, OpticalCON
HDX Input Voltage	115-230 VAC
Output Max Load	200 VA
Power Consumption	< 20 Watts
Indicators	Power On, Voltage Indications, Optical Power
Temperature Range	-20° C to +55° C
Humidity Range	0 to 95% non-condensing

*Maximum length of SMPTE cable with power varies with the camera system configuration, lens type, viewfinder type, the size of the optical fiber cable, and the number of cable connectors.



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090403-SHED-JH6
Specifications subject to change without notice. Made in USA

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