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Telecast Fiber Systems, Inc.

SHED™

SMPTE Hybrid Elimination Devices

Features

- Allows the use of conventional single mode fiber cables
- Extends distance limits of camera
- Uses durable military connectors or common, inexpensive ST or SC
- Provides power to camera, or permits local powering
- Triax power option
- Small, lightweight adapters

Operate your SMPTE Hybrid fiber/wire 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.

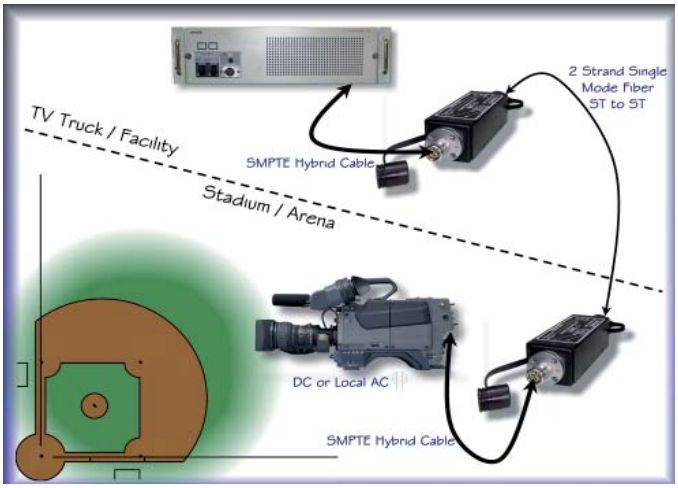
This set consists of two adapters, which convert from hybrid wire/fiber cables with Lemo connectors to standard all-fiber cables and connectors. The adapters perform two functions. The first is to allow the camera and base station to communicate on two ordinary, inexpensive single mode fibers. The other function is to provide the appropriate power delivery option for your camera.

Longer Range, Standard Fiber

Telcast's SHED devices allow your cameras to communicate over common, telecommunications grade single mode fiber — the kind you can use for a variety of purposes. 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 fibering the venue drops dramatically.

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 kilometer of hybrid cable. The HDX unit derives power from an AC mains source or, with two HDX units, from existing triaxial cable in the venue as an extension cord for power.



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Passive SHED units allow local powering of camera

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HDX unit provides power to camera from available AC or triax

Fiber Connector Alternatives

While the 4-pin hermaphroditic connector (above) is the SMPTE all-fiber standard for harsh environments, as well as a reliable and durable connector, other fiber connector options include:

- ST-type bayonnet
- SC-type push/pull
- HDLC 2-fiber hermaphroditic

Product Options

Base Station End, Passive Adapter
- MALM — Military (4-pin hermaproditic) Adapter to Lemo Male
- SALM — ST Adapter to Lemo Male
- SCALM — SC Adapter to Lemo Male
- HALM — HDLC (2-pin hermaphroditic) Adapter to Lemo Male

Also available as rack mount, 6 across base station end

Camera End, Passive Adapter
- MALF — Military (4-pin hermaproditic) Adapter to Lemo Female
- SALF — ST Adapter to Lemo Female
- SCALF — SC Adapter to Lemo Female
- HALF— HDLC (2-pin hermaphroditic) Adapter to Lemo Female

Camera End, HDX Powered Adapter (Stand alone or rack-mountable)
- HDX-ST — HDX with 2 ST connectors only
- HDX-SC — HDX with 2 SC connectors only
- HDX-HD — HDX with 1 2-pin HDLC connector only
- HDX-PH/ST — with 4-pin Military Connector, ST feedthru
- HDX-PH/SC — with 4-pin Military Connector, SC feedthru
- HDX-PH/HD — with 4-pin Military Connector, HDLC feedthru

Mechanical

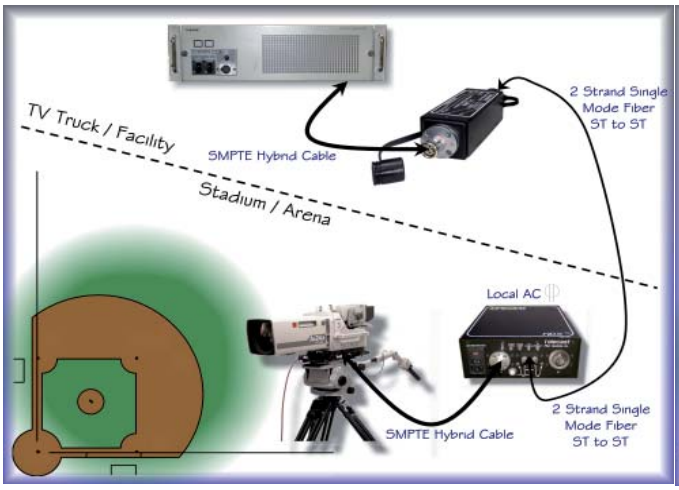
Nominal Dimensions	
• xALF — Camera End	7.5"L x 1.9"H x 2.5"W
• xALM — Base Station End	7.5"L x 1.9"H x 2.5"W
• HDX — Stand Alone Unit	13"L x 3.4"H x 8.4"W
Nominal Weight	
• xALF — Camera End Adapter	1 lb.
• xALM — Base Station End Adapter	1 lb.
• HDX — Powered Camera End, Stand Alone Unit	8.5 lb.

HDX Features

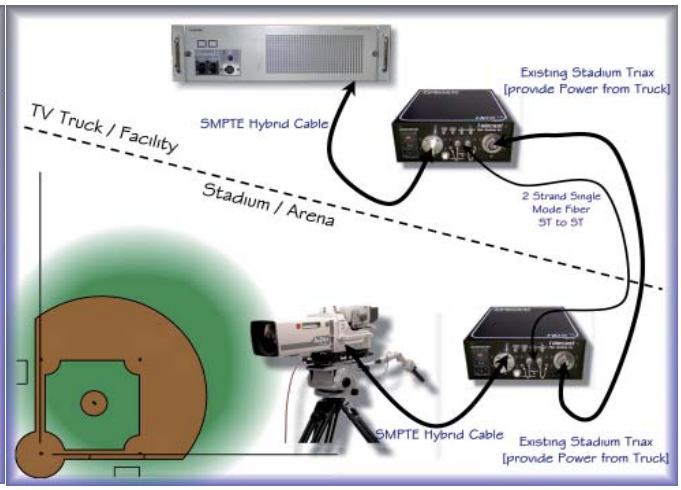
Input Voltage		120 VAC or 240 VAC (100 VAC version available)
Output Max Load		200 VA
Indicators	AC In	Green
	Cable Open	Red
	Cable Short	Red
	HV Enable	Amber
	HV Present	Red
Temperature Range		-20° C to +55°C
Humidity Range		0 to 95% non-condensing

Other HDX Options
- Rack mount frame, 2 across
- Camera power on/off command
- Triax power option — base station and camera end

HDX with AC and Triax power option



SHED uses two single mode fibers in stadium. Power to camera is provided by HDX via local AC, and sent up hybrid fiber/wire cable.



Existing triaxial cable in venues may serve as extension cord for camera power from truck. HDX unit is required at both base station and camera ends.

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