

FEATURES

- ▷ Fully configurable for a wide variety of production and signal distribution applications
- ▷ Almost any MultiDyne product can be integrated into one of the enclosures.
- ▷ Extremely rugged case/ enclosure.
- ▷ Runs on battery or AC supply.
- ▷ Anton Bauer or IDX mounting plate
- ▷ Features Single-mode or multi-mode configurations.
- ▷ Optical connectors include ST, SC, LC as well as TFOCA, PH, Tyco Expanded Beam, Neutrik and SMPTE.
- ▷ Remote power via hybrid fiber cable
- ▷ Each platform can interoperate with any MultiDyne product.

APPLICATIONS

- ▷ ENG
- ▷ Sports
- ▷ Military
- ▷ Any field application where battery-powered equipment is required.

Customize Your LiGHTBoX, LiGHTCuBE or BullDog With Virtually Any MultiDyne Product For Unlimited Flexibility.

Customize Your Field Unit

The MultiDyne family of Field Fiber units includes the LiGHTBoX, LiGHTCuBE and BullDog™ fiber field systems, which are all highly portable, bringing full camera and signal distribution support to hard-to-reach areas or camera positions located far from the on-site production truck or studio. A rugged enclosure housing vital components ensures reliable operation, even in harsh environment conditions. Typical applications include ENG, sports, military and any field application where battery-powered equipment is required.

All of the MultiDyne Field Fiber units are fully customizable, offering virtually any signal configuration and each LiGHTBox, LiGHTCuBE and BullDog can be linked via tactical fiber cable to any MultiDyne product. Users can order almost any MultiDyne, off-the-shelf, fiber-optic unit and it can be integrated into a LiGHTBoX, LiGHTCuBE and BullDog. Just grab it by the handle and go.

As an example, at the 2014 Master's Golf tournament (on CBS), a LiGHTBoX was used to set up an interview point at the Executive Course, as there is no infrastructure to access power and other necessary signals. The production company then ran a SMPTE hybrid fiber cable (with power) from the on-site truck to the LightBox and the camera simply hooks up to it.

All The Signals In One Box

MultiDyne Field Fiber Units can include up to five 3 Gb/s HD/SDI signal paths from the camera to the Base Station and one return path the other way. Full camera control is also provided by the camera manufacturer's



control panel via serial or a 10/100/GigE ethernet path. Access to genlock, intercom, tally and audio paths can also be incorporated into a LiGHTBoX/LiGHTCuBE combined enclosure for multi-camera productions.

If you have two cameras and you need a lot of Ethernet connection to support a press pool feed, or you might want to send DVI in the other direction to drive a Large Screen at a sports or concert venue. So, the MultiDyne Fiber Field Units provide the freedom to do more in a compact, weatherproof enclosure.

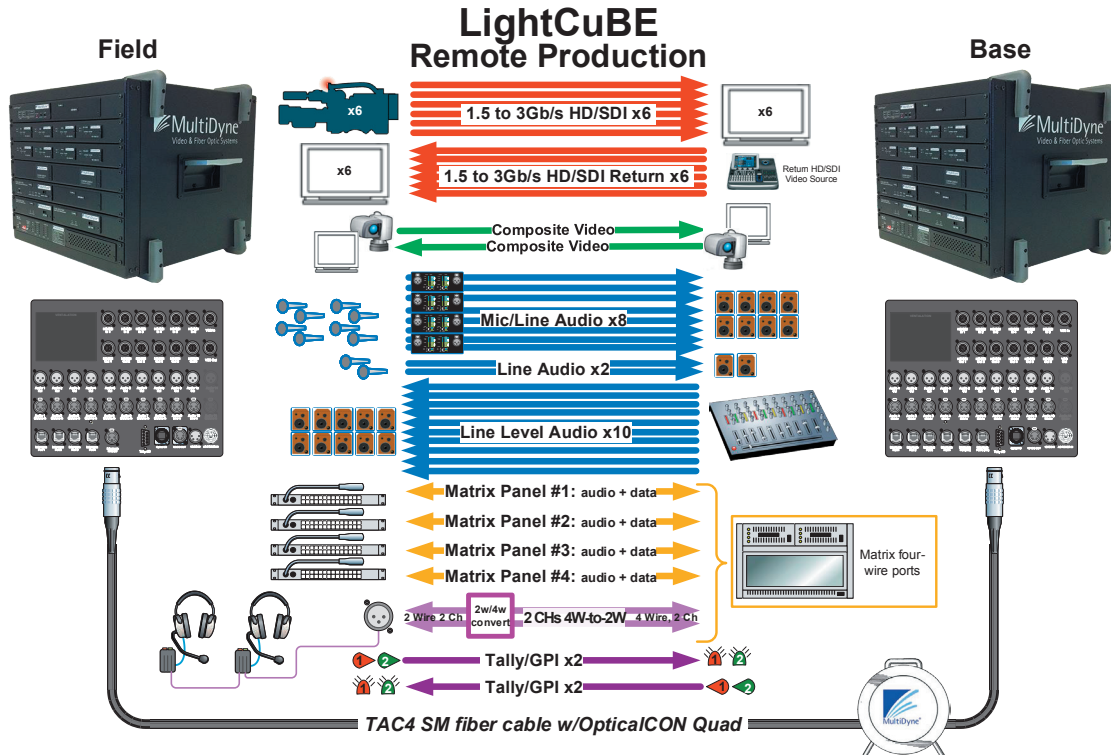
Customize Your Field Fiber Unit

In general, MultiDyne's Field Fiber units take the place of an audio snake, an HD/POV fiber-optic video/data transceiver and other signal processing equipment. Rather than offer a fixed set of features and capabilities, however, each MultiDyne Field Fiber Unit can be configured with only the features needed and nothing more. This allows the user to save cost initially and then grow with the field box and add new signal processing boards as required. It also allows them to order a small or medium-sized enclosure (with less features), to fit a specific application.

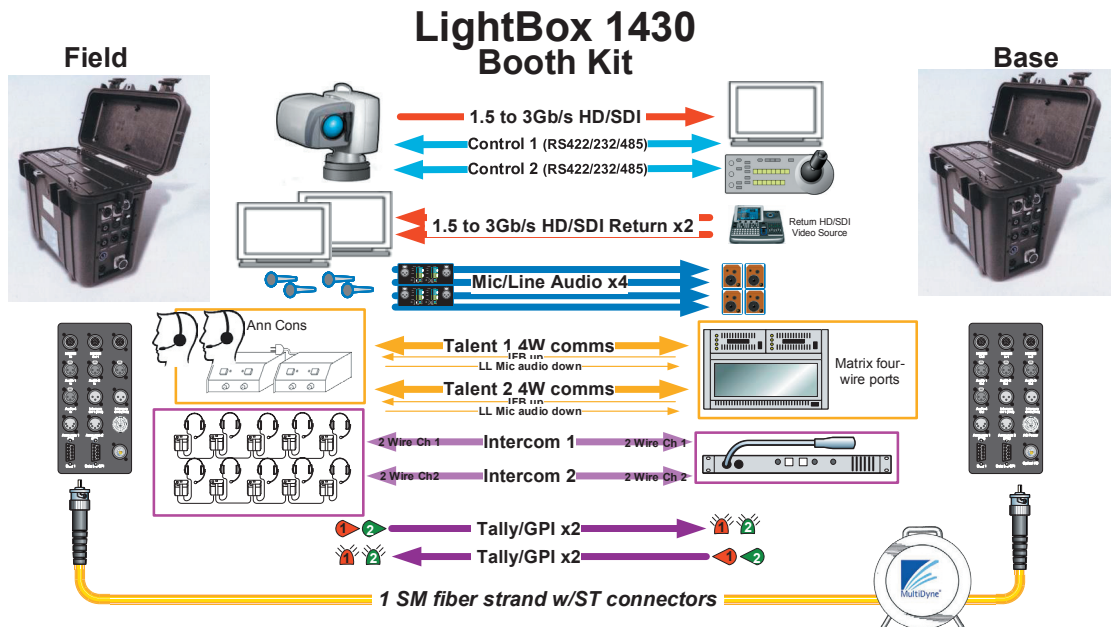
The BullDog, in particular, is entirely scalable, allowing the user to stack various MultiDyne modules, or "LightBrix," together for more functionality in the same enclosure.

POTENTIAL SYSTEM CONFIGURATIONS

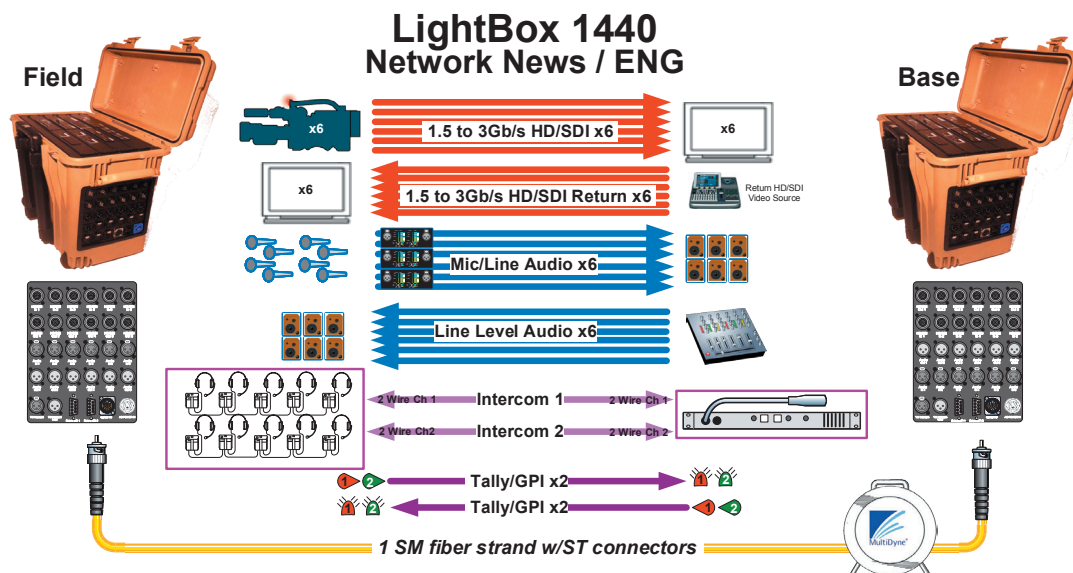
SMALL



MEDIUM



LARGE



COMPATIBLE PRODUCTS & SIGNALS

HD-3000:

3.0 Gbps Multirate Serial Digital Video Fiber Optic Transmitter, 5 - 2970 Mb/s, SDI, HD-SDI, 3G HD-SDI, DVB ASI, SMPTE 424M, 292M/259M/310M/297-2006.

HD-1500:

1.5 Gbps Multirate Serial Digital Video Fiber Optic Transmitter, 5 - 1485 Mb/s, SDI, HD-SDI, DVB ASI, SMPTE 292M/259M/310M.

DVM-2500:

DVM-2000: 1 video, 8 audio and 2 data channel with tally, Bi-di, Fiber Optic, Transceiver; exceeds RS-250C Short-haul specs.

DVM-3000:

12-bit Video Fiber Optic Transmitter; exceeds RS-250C Short-haul specs, with 8 bi-directional Data Channels, Supports RS-232, RS-422 and RS-485 jumper selectable and 2 Bi-directional Voice Channels.

DVI-6000:

DVI Dual Link & RGB-HV, WQXGA, 2560 x 1600, ONE Fiber, Singlemode, Transmitter with Stereo Audio, 1 LC Connectors, up to 4KM distance

RGB-5000:

Digital RGB and WUXGA Fiber Optic Transmitter, Singlemode, -10dBm, 1 fiber, loop-through HD15 inputs, 1920 BY 1200, supports all sync formats, RGB HV, RGsB, YsUV, YcCrCb, UXGA, SUXGA and UXGA, Component and Analog HDTV signals.

FS6000 FiberSaver:

The compact and portable MultiDyne FS-Series is available in three versions (FS-6000, 12000 & 18000). Includes: Optical Remapper/Multiplexer; Optically MUX any Wavelength; Put 6 optical signals on one single Fiber; MUX 6 HDSDI signals on a single Fiber.

DVM-2700:

2 video, 8 audio ch., Fiber Optic Transmitter; exceeds RS-250C Short-haul specs. with 1310nm MM & SM.

SATLink:

A range of options to suit a variety of installations is available: L-Band RF 950-2150 MHz to optical fiber signal conversion; Up to 50Km range using DFB optics, Fiber Perot optics optional; 9 dB RF gain from FTX to FRX; 20 dB Noise Figure; LNB power up to 400mA; Long Line Compensation (LCC) feature for LNB power.

HD-3500 Series:

Standalone HD/SDI Fiber-Optic Transport Systems. Transport digital signals from 5 Mbps up to 2.97 Gb/s (along with analog audio, AES digital audio, serial data, intercom, tally and GPIO signals). Supports four GPIO bi-directional channels and all popular standards, including SMPTE 259M-C; SMPTE 292M and SMPTE 424. HD-SDI interface also transports DVB/ASI and SMPTE 297M interfaces at the defined rates. Includes digital reclocked DA and Repeater and the ability to transport four analog audio channels.

ORDERING INFORMATION

Customers can order the LiHTBoX in two sizes (models LB-1440 and LB-1430) as well as the half-sized LiHTCuBE shell. The BullDog is completely scalable, depending upon features required. These LightBrix can be added as needed, including such MultiDyne products as the HD-6000, FiberSaver, L-Band Link, HD-3500, DVI-6000 and many more.



10 Newton Place
Hauppauge, NY 11788
877-685-8439 / 516-671-7278
sales@multidyne.com
www.multidyne.com

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www.MultiDyne.com

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