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 bowser 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 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

LightCuBE Remote Production

1.5 to 3Gb/s HD/SDI x6

1.5 to 3Gb/s HD/SDI Return x6

Composite Video

Composite Video

Mic/Line Audio x8

Line Audio x2

Line Level Audio x10

Matrix Panel #1: audio + data

Matrix Panel #2: audio + data

Matrix Panel #3: audio + data

Matrix Panel #4: audio + data

Tally/GPI x2

Tally/GPI x2

TAC4 SM fiber cable w/OpticalCON Quad

MEDIUM

LightBox 1430 Booth Kit

1.5 to 3Gb/s HD/SDI

Control 1 (RS422/232/485)

Control 2 (RS422/232/485)

1.5 to 3Gb/s HD/SDI Return x2

Mic/Line Audio x4

Talent 1 4W comms

LL Mic audio down

Talent 2 4W comms

LL Mic audio down

Intercom 1

Intercom 2

Tally/GPI x2

Tally/GPI x2

1 SM fiber strand w/ST connectors
Customers can order the LiGHTBoX in two sizes (models LB-1440 and LB-1430) as well as the half-sized LiGHTCuBE 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.