

Gepco® and MultiDyne®, two leaders in technology and innovation, have joined forces to provide a complete solution to make your signal go further than it's ever gone before! *Gepco® Powered by MultiDyne®* is a line of active fiber optic products designed to convert an electrical signal to an optical one, allowing for much longer transmission distances, lower total weight of cabling and significant cost savings.



## GP-3GSB



1 SM Fiber → 1 3G HD-SDI

## SilverBULLET™ Mini 3G HD-SDI Fiber Optic Link

Supports the following standards: SMPTE 424M 1080p 3 Gbps HD-SDI, SMPTE 292M 1.485 Gbps and SMPTE 259M 270 Mbps.

- An economical solution for the fiber optic transport of 5 Mbps to 3 Gbps HDTV signals
- Only three inches in length
- Typical link distance up to 10 km
- Rugged die cast/over molded construction
- Error-free pathological pattern operation
- Power 5–16 VDC with mini 4-pin XLR

### GP-3GSB-TX (Transmitter)

Unit I/Os: one coaxial input (BNC), one fiber optic output (ST), one 5–16 VDC power connector (4-pin XLR)  
LED indicators: power and signal

### GP-3GSB-RX (Receiver)

Unit I/Os: one fiber optic input (ST), one re-clocked coaxial output (BNC), one 5–16 VDC power connector (4-pin XLR)  
LED indicators: power and optical power

Use with Gepco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-1500



1 SM Fiber → 1 HD-SDI

## 1.5 Gbps HD-SDI Fiber Optic Link

Supports the following standards: SMPTE 292M 1.485 Gbps; SMPTE 259M 270 Mbps; SMPTE 310M 19.4 Mbps, M2S or DVB-ASI 270 Mbps; SMPTE 344M 540 Mbps and SMPTE 305M SDTi rates.

- An economical solution for the fiber optic transport of 5 Mbps to 1.5 Gbps HDTV signals
- Supports embedded audio and data (audio and data must be embedded externally)
- Loop-through input—equalized, re-clocked and buffered
- Dual re-clocked outputs
- Stand-alone unit ideal as a throw down for field applications
- Rack-mountable with optional RM6 (fit 6 units in 1RU)
- Link distance up to 40 km at 1.5 Gbps
- Small, rugged, portable configuration
- ST optical connectors
- Error free pathological pattern operation

- External battery operation from 5–24 VDC
- Wall-mount power supply included, 12 VDC

### GP-1500-TX (Transmitter)

Unit I/Os: one coaxial input (BNC), one re-clocked loop-through (BNC), one fiber optic output (ST), one 5–24 VDC power port  
LED indicators: data rate, signal detection and power

### GP-1500-RX (Receiver)

Unit I/Os: one fiber optic input (ST), two re-clocked coaxial outputs (BNCs), one 5–24 VDC power port  
LED indicators: data rate, signal detection and power

Use with Gepco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-3000



1 SM Fiber → 1 3G HD-SDI

## 3 Gbps HD-SDI Fiber Optic Link

Supports the following standards: SMPTE 424M 1080p 3 Gbps HD-SDI; SMPTE 292M 1.485 Gbps; SMPTE 259M 270 Mbps; SMPTE 310M 19.4 Mbps, M2S or DVB-ASI 270 Mbps; SMPTE 344M 540 Mbps and SMPTE 305M SDTi rates.

- An economical solution for the fiber optic transport of 5 Mbps to 3 Gbps HDTV signals
- Supports embedded audio and data (audio and data must be embedded externally)
- Loop-through input—equalized, re-clocked and buffered
- Dual re-clocked outputs
- Stand-alone unit ideal as a throw down for field applications
- Rack-mountable with optional RM6 (fit 6 units in 1RU)
- Link distance greater than 10 km at 3 Gbps, 20 km at 1.5 Gbps and 35 km at 270 Mbps
- Small, rugged, portable configuration
- ST optical connectors

- Error-free pathological pattern operation
- External battery operation from 5–24 VDC
- Wall-mount power supply included, 12 VDC

### GP-3000-TX (Transmitter)

Unit I/Os: one coaxial input (BNC), one re-clocked loop-through (BNC), one fiber optic output (ST), one 5–24 VDC power port  
LED indicators: data rate, signal detection and power

### GP-3000-RX (Receiver)

Unit I/Os: one fiber optic input (ST), two re-clocked coaxial outputs (BNCs), one 5–24 VDC power port  
LED indicators: data rate, signal detection and power

Use with Gepco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-3500



## 3 Gbps Transport with Intercom, 4-Channel Audio and Bi-Directional Data

Supports the following standards: **SMPTE 424M 1080p 3 Gbps HD-SDI**; **SMPTE 292M 1.485 Gbps**; SMPTE 259M 270 Mbps; SMPTE 310M 19.4 Mbps, M2S or DVB-ASI 270 Mbps; SMPTE 344M 540 Mbps and SMPTE 305M SDTI rates.

- An economical solution for the fiber optic transport of 5 Mbps to 3 Gbps HDTV signals
- Broadcast audio input supports 2 AES digital or 4 analog audio channels with transcoding (analog in, AES out or vice versa)
- Three bi-directional serial data channels, RS-232/422/485
- Two auxiliary audio channels for 4-wire intercom
- One tally (bi-directional) with contact relay out
- Supports 4 GPIO
- Available in stand-alone portable configuration with optional triple rack kit (-RMT)

- Ideal for high-definition video and audio transport with supplemental machine control and robotic camera pan-tilt-zoom (PTZ)

### GP-3500-TX (Transmitter)

Unit I/Os: one coaxial input (BNC); one re-clocked loop-through (BNC); one fiber optic output (ST); audio, intercom & data input (44-pin connector)  
LED indicators: data rate, signal detection, audio presence, serial activity, tally and power

### GP-3500-RX (Receiver)

Unit I/Os: one fiber optic input (ST); two re-clocked coaxial outputs (BNCs); audio, intercom & data output (44-pin connector)  
LED indicators: data rate, signal detection, audio presence, serial activity, tally, optical power and power

Use with Gepeco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-HDMI



## HDMI® Fiber Optic Link with HDCP / EDID

- A low-cost HDMI® fiber link with HDCP copyright protection support
- Uncompressed HDMI® over ONE multi-mode fiber
- Supports up to WUXGA 1920 x 1200, single link
- Bi-directional communication over ONE fiber for full HDCP copyright and EDID functionality
- HDCP encoding remains intact and unmodified
- Transmission of up to 1000 meters over multi-mode fiber
- Fully uncompressed, 100% transparent, no frame dropping
- Locking HDMI® connector
- DVI™ signals supported with optional DVI™ adapter cable

- Can be powered by external power supplies or via USB power port
- Ideal for applications with multiple monitor resolutions and a routing switcher

### GP-HDMI-TX (Transmitter)

Unit I/Os: one HDMI® input (BNC), one fiber optic output (ST), one 9–24 VDC power port, one USB power port  
LED indicators: link and power

### GP-HDMI-RX (Receiver)

Unit I/Os: one fiber optic input (ST), one HDMI® output, one 9–24 VDC power port, one USB power port  
LED indicators: link and power

Use with Gepeco's Simplex Cable PN: GSP01M50-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-6000



## DVI™, RGB, VGA & Component, Single Link Fiber Transport

Supports the following standards: **SMPTE 424M 1080p 3 Gbps HD-SDI** and **SMPTE 292M 1.485 Gbps** standards (future firmware update).

- Transport DVI-I, RGB-HV and DVI-D single link over ONE fiber
- Ideally suited to sending high-quality, high-resolution (up to 1920 x 1200) digital video over fiber allowing your high-resolution monitor to extend up to 10 km away from the video source
- Loop-through DVI-I Input with dual DVI-I outputs
- Stereo audio
- Throughput bandwidth 3.75 Gbps
- EOS-4000 electro-optical switcher support at 4.25 Gbps
- HD & 3G HD switcher support at 1.485 and 2.97 Gbps
- Fully uncompressed for resolutions up to 1920 x 1200
- Support of the EDID monitor resolution information from loop-through or internal emulation
- Output re-clocker eliminates noise and distortion in the DVI™ output
- Ideal for applications with multiple monitor resolutions and a routing switcher

- Enables remoting of a monitor from the video source
- Supports all possible horizontal and vertical sync configurations
- Provides electrical isolation, immune to electrical noise in the transmission path
- Bi-directional data with second fiber or CWDM mux

### GP-6000-TX (Transmitter)

Unit I/Os: one DVI/RGB input, one DVI/RGB loop output, one stereo audio input (3.5mm jack), one fiber optic output (ST), one 9–24 VDC power port, one USB configuration port  
LED indicators: video, data, lock and power

### GP-6000-RX (Receiver)

Unit I/Os: one fiber optic input (ST), two DVI/RGB outputs, one stereo audio out (3.5mm jack), one 9–24 VDC power port, one USB configuration port  
LED indicators: video, data, lock and power

Use with Gepeco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

**GEPCO**  
POWERED BY  
MultiDyne®

**General Cable**

## GP-2000



## Composite Video & 6-Channel Audio with 2 Simplex Data Channels

- Single fiber operation – 8.3/125um single-mode fiber
- 12-bit video processing
- 24-bit audio processing
- Simplex RS-232 data
- NTSC, PAL & SECAM standards
- Video SNR: 74dB
- DG 0.2%, DP 0.2\*
- Audio SNR 90dB
- Max audio level +18dB
- Hi-Z or 600 ohm input impedance
- 1310nm with optional CWDM wavelengths
- Includes standard DC power supply

### GP-2000-TX (Transmitter)

Unit I/Os: one coaxial input (BNC); one processed video input (BNC); one fiber optic output (ST); audio & data input & alarm (44-pin connector); power connector  
LED indicators: laser fail, video presence, power, video clipping, sync clipping, video input gain & equalization

### GP-2000-RX (Receiver)

Unit I/Os: one coaxial output (BNC); one fiber optic input (ST); audio, data & alarm output (44-pin connector); power connector  
LED indicators: six audio level indicators (one per channel); video presence; laser fail, power, video output

Use with Gepeco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-2500



## Bi-Directional Composite Video & 8-Channel Audio with 2 Duplex Data Channels

- Transceiver provides simultaneous operation over one fiber – 8.5/125um single-mode fiber
- 1310/1550nm Operation, with optional 2-fiber CWDM wavelengths
- 12-bit video processing
- 24-bit audio processing for each of the eight channels
- Duplex RS-232, RS-422 & RS-485
- Bi-directional contact closure
- NTSC, PAL & SECAM standards
- Video SNR: 74dB
- DG 0.2%, DP 0.2\*
- Audio SNR: 90dB

- THD: 0.05%
- Max audio level +18dB
- Hi-Z or 600 ohm input impedance
- Includes standard DC power supply

### GP-2500-TRX (Transceiver)

Unit I/Os: one coaxial output (BNC); one fiber optic connector (ST); audio & data input & alarm (44-pin connector); power connector  
LED indicators: video input presence; video output presence; TX lock; RX error

Use with Gepeco's Simplex Cable PN: GSP01S-Length-ST/ST  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

## GP-GE1000



## Ethernet Fiber Transceiver

Supports the following standards: IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3ab 1000Base-T and 802.3z 1000Base-SX/LX standards.

- 10/100/1000 ethernet
- Full or half-duplex operation
- Single fiber operation – 1310nm/1550nm single-mode fiber
- RJ-45 & LC optical interface
- Auto-negotiation
- Includes power supply, 12 VDC@1A

### GP-GE1000 (Transceiver)

Connectors: : RJ45 and SFP LC  
LED indicators: Power, LLF, FX link, TP link/speed/duplex

Use with Gepeco's Simplex Cable PN: GSP01S-Length-LC/LC  
Lengths: 50', 100', 164', 250', 328', 500', 656' or custom

**GEPCO**<sup>®</sup>  
POWERED BY  
MultiDyne<sup>®</sup>

**General Cable**

GP-LB1400

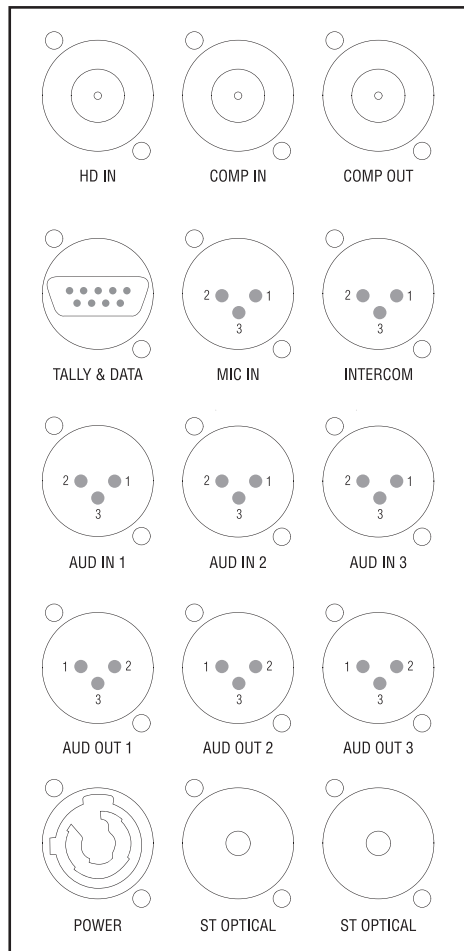


**LiGHTBoX™ Weather-Tight Portable Fiber Field Acquisition System**

Supports the following standards: SMPTE 292M 1.485 Gbps, SMPTE 259M 270 Mbps, SMPTE 310M 19.4 Mbps, M2S or DVB-ASI 270 Mbps; SMPTE 344M 540 Mbps and SMPTE 305M SDTi rates.

The Gepco® Powered by MultiDyne® LiGHTBoX™ is designed for field and harsh-environment applications. Typical applications include ENG, sports, military and any field application where battery powered equipment is required. The LiGHTBoX can be linked via tactical fiber cable to a mobile truck, control room or even another LiGHTBoX. The standard configuration LiGHTBoX includes fiber transport for video (HD-SDI and composite), audio (including mic level), data and intercom. Think of the LiGHTBoX as a portable rackmount kit with an I/O panel. Just grab it by the handle and head out to your next event.

- HD-SDI camera video – supports 19.2 Mbps up to 1.5 Gbps
- Composite video – redundant camera output
- Return video for viewfinder
- 2-channel 2-wire PL intercom for industry standard beltpacks
- 1-channel mic-level audio – forward direction
- 3-channels of two-way program audio
- Tally
- RS-232/RS-422 control
- Power monitoring system for battery & AC operation
- Operates over 2 single-mode fibers
- ST optical connectors
- Rugged travel case
- Easy-access side-panel connections
- Anton Bauer® mounting plate



Use with Gepco's Tactical Cable PN: GST02D-Length-ST/ST  
 Lengths: 50', 100', 164', 250', 328', 500', 656' or custom



†All products contained in this line card carry a seven-year warranty except for GP-3GSB-TX and GP-3GSB-RX, which carry a one-year warranty.

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