

cables, adapters, converters



# FieldCast

the fiber optic system





## the future is fiber

Traditional copper cabling technology has reached its ultimate limit, and we have to accept that it can't transport the higher resolutions and frame rates of today's digital video and cinema protocols over longer distances.

Fiber optic technology does not have these limitations, and is perfectly capable of transporting huge amounts of data over virtually any distance, maintaining signal integrity from start to finish without compromise.

Moreover, fiber optics is more than ready for the migration to Video over IP, and is paving the way for the IP maps that are being drawn planning the roads towards tomorrow's infrastructure.

## the future is FieldCast

FieldCast is not just a cable, it is designed as a complete fiber optic system, enabling you to implement fiber optics fast, easily and efficiently, indoor and outdoor, in the studio and in the field.

With FieldCast you don't have to be a system integrator, technician or engineer to bring it all to light. Start using it today, and be ready for all tomorrow's parties.

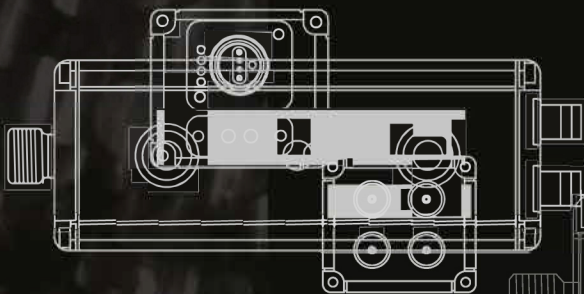
The FieldCast system is robust, affordable, easy to use, and available from stock. FieldCast is made to last.

## the fiber optic system



# fiber optic converters

- Converter One  
two channel fiber optic to SDI, dual SDI output
- Converter One Hybrid  
two channel fiber optic to SDI, dual SDI output, hybrid, 12V DC out
- Converter Two  
two channel SDI to fiber optic with SDI loopthrough
- Converter Two Hybrid  
two channel SDI to fiber optic with SDI loopthrough, hybrid, 12V DC out
- Converter Three  
fiber optic to SDI with loopthrough / SDI to fiber optic,, dual SDI output
- Converter Three Hybrid  
fiber optic to SDI with loopthrough / SDI to fiber optic, dual SDI output, hybrid, 12V DC out



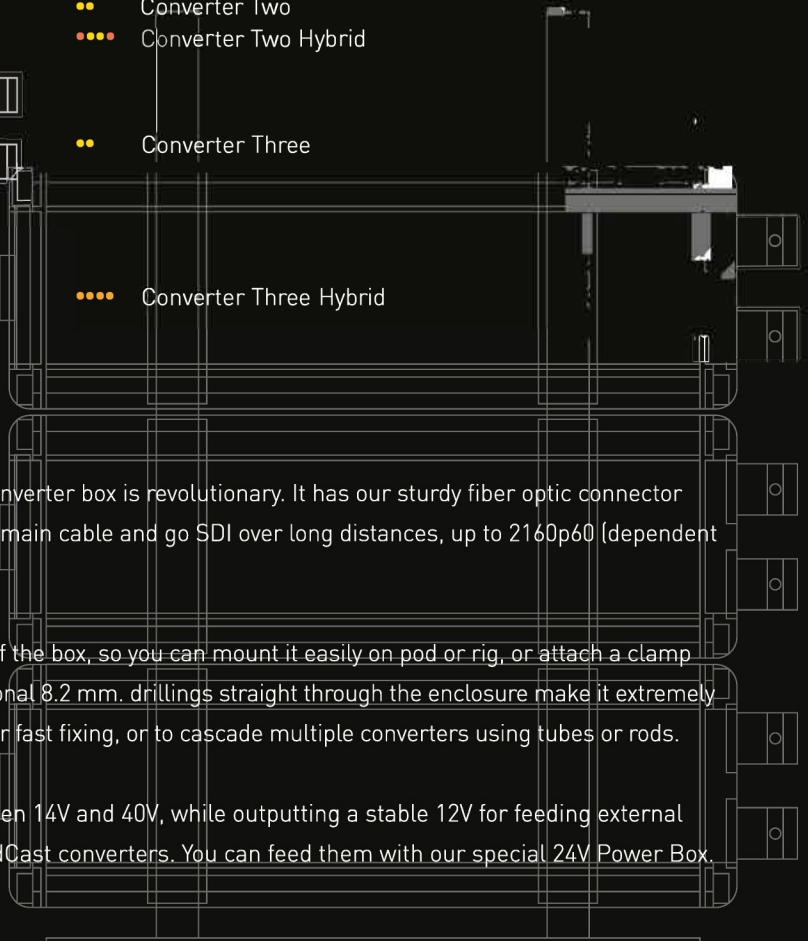
- Converter One
- Converter One Hybrid
- Converter Two
- Converter Two Hybrid
- Converter Three
- Converter Three Hybrid

## made for live events

The design of this heavy duty aluminum converter box is revolutionary. It has our sturdy fiber optic connector built in, so you can connect straight to our main cable and go SDI over long distances, up to 2160p60 (dependent on sfp module installed).

We put 1/4 inch inserts in top and bottom of the box, so you can mount it easily on pod or rig, or attach a clamp for safe and sound truss mount. Two additional 8.2 mm. drillings straight through the enclosure make it extremely easy for you to use cord, rope or tie wrap for fast fixing, or to cascade multiple converters using tubes or rods.

The hybrid versions accept voltages between 14V and 40V, while outputting a stable 12V for feeding external equipment like cameras or cascaded FieldCast converters. You can feed them with our special 24V Power Box.



## main cables

### •• 2Core single mode

Ultra Light cable, 100 meter on drum

Ultra Light cable, 200 meter on drum

Heavy Duty cable, 100 meter on drum

Heavy Duty cable, 200 meter on drum

### •••• 4Core single mode

Ultra Light cable, 100 meter on drum

Ultra Light cable, 200 meter on drum

Heavy Duty cable, 100 meter on drum

Heavy Duty cable, 200 meter on drum

### •• 2Core multimode

Ultra Light cable, 100 meter on drum

Ultra Light cable, 200 meter on drum

Heavy Duty cable, 100 meter on drum

Heavy Duty cable, 200 meter on drum

### •••• 4Core multimode

Ultra Light cable, 100 meter on drum

Ultra Light cable, 200 meter on drum

Heavy Duty cable, 100 meter on drum

Heavy Duty cable, 200 meter on drum

### •••• 2Core single mode hybrid

Ultra Light cable, 100 meter on drum



## plug and play

All our cables can be used indoor and outdoor. You can choose between strong 4.8 mm. Ultra Light and tactical 6.5 mm. Heavy Duty versions, or go Hybrid, and use the 24V Power Box and the Power Panel to power your equipment over the cable. Make direct connection with our adapters and converters, or integrate with one of the multiplexer/demultiplexer pairs. Just connect and bring it to light.

Main cables directly connect to coupler cables, chassis connectors, adapter cables, converters and adapters.



## coupler cables

- 2Core single mode  
50 cm, couples 2Core single mode main cables
- 4Core single mode  
50 cm, couples 4Core single mode main cables
- 2Core multimode  
50 cm, couples 2Core multimode main cables
- 4Core multimode  
50 cm, couples 4Core multimode main cables
- 2Core single mode hybrid  
50 cm, couples 2Core single mode hybrid main cables



## chassis connectors

- 2Core single mode  
D-size connector, with 50 cm. fan-out to LC Duplex
- 4Core single mode  
D-size connector, with 50 cm. fan-out to 2x LC Duplex
- 2Core multimode  
D-size connector, with 50 cm. fan-out to LC Duplex
- 4Core multimode  
D-size connector, with 50 cm. fan-out to 2x LC Duplex
- 2Core single mode hybrid  
D-size connector, with 50 cm. fan-out to LC Duplex and 2x copper



## adapter cables

- 2Core single mode  
cable connector, with 2 meter cable to LC Duplex
- 4Core single mode  
cable connector, with 2 meter cable to 2x LC Duplex
- 2Core multimode  
cable connector, with 2 meter cable to LC Duplex
- 4Core multimode  
cable connector, with 2 meter cable to 2x LC Duplex



## SMPTE 311M/304 main cables

SMPTE 311 fiber optic cable with Lemo SMPTE 304 connectors containing two strands of fiber and six copper wires. A heavyweight solution that adds higher voltage AC power to fiber.

### SMPTE cable PUW-FUW

SMPTE cable PUW-FUW 100m on drum

SMPTE cable PUW-FUW 150m on drum

SMPTE cable PUW-FUW 200m on drum

SMPTE cable PUW-FUW 100m w/o drum

SMPTE cable PUW-FUW 150m w/o drum

SMPTE cable PUW-FUW 200m w/o drum

SMPTE cable PUW-FUW 30m w/o drum



## 12Core MTP cables

12Core single mode fiber optic cable with MTP based push pull connector.

FieldCast 12Core SM HD push-pull, 100m on drum

FieldCast 12Core SM HD push-pull, 200m on drum

FieldCast 12Core SM Chassis Connector

FieldCast 12Core SM Adapter Cable



## sfp optical transceivers

Bidirectional 1310nm video SFPs, compatible with a wide range of optical fiber video equipment. Available in 3G, 6G, and 12G.

### sfp optical transceivers

FC-TxRx-12-31, 12G SFP Optical Transceiver

FC-TXRX-06-31, 6G SFP Optical Transceiver

FC-TXRX-03-31, 3G SFP Optical Transceiver





## adapters

- Adapter One  
fiber optic adapter for Blackmagic Design Camera Converter
- Adapter One Plus  
fiber optic adapter for Camera Converter, with XLR power connector
- Adapter One Hybrid  
fiber optic adapter for Camera Converter, hybrid
- Adapter Two  
fiber optic adapter for Blackmagic Design Studio Camera
- Adapter Two Hybrid  
fiber optic adapter for Blackmagic Design Studio Camera, hybrid
- Adapter Three  
for using opticalCON DUO cable in FieldCast infrastructure
- Adapter Four  
for using opticalCON QUAD cable in FieldCast infrastructure



## panels

- Panel One  
for Studio Converter, 4x 2Core single mode chassis connector, 1RU



## cleaning kits

### Cleaning Starter Kit

for Cable Connector, Chassis Connector and LC

Metal box containing a pen with cleaning solvent, a ten sheet platform for wipe-cleaning your LC Connectors, swabs for cleaning your male Cable Connectors, and swabs for cleaning your female Cable Connectors and Chassis Connectors



with 10 + 10 swabs  
with 50 + 50 swabs  
with 100 + 100 swabs

## power solutions

### Power Station One

24V DC 350W redundant power supply, front 4x hybrid chassis connectors, back 4x LC Duplex, 1RU.



### Power Box One

24V DC 300W redundant power supply with 4 independent fully protected outputs, 1RU



### Power Panel One

front 4x hybrid chassis connector and 4X LED, back with 4x LC Duplex and 4x XLR, 1RU



## patch cable sets

### Patch Cable Set for Power Panel One

4x XLR 4-pin male to female, 40 cm., 4x Single Mode LC Duplex to LC Duplex, 60 cm

### Patch Cable Set for Power Station One

4x single mode LC Duplex to LC Duplex, 60 cm.

## powerful solutions

Power Box One has been designed for feeding four hybrid cables, and connects to Power Panel One in seconds. The LED indicators on the front of the panel immediately tell you if power is available.



## multiplexers



Our mux and demux units use one single channel of fiber to transport four, eight or sixteen SDI signals from one place to the other, whatever the distance. They are offered as pairs, and you can run two pairs over just one 2Core fiber cable!

- Mux/Demux One  
4 channel SDI mux (with SDI loopthrough) / demux (with dual SDI outputs), 1RU
- Mux/Demux Two  
8 channel SDI mux (with SDI loopthrough) / demux (with dual SDI outputs), 1RU
- Mux/Demux Three  
16 channel SDI mux (with SDI loopthrough) / demux (with dual SDI outputs), 2RU

## monitor solutions

- Monitor Monk  
Vesa mountable device for high-end grading monitors that converts fiber to 12G SDI and can power the monitor over FieldCast hybrid cable.  
1 hybrid chassis connector carrying 24V DC input from FieldCast Power Station One, and SDI video over fiber; separate connectors for SDI out, and 12V DC power out to connect to monitor.



# solutions for PTZ cameras

Turnkey fiber optic systems for high quality PTZ cameras that have uncompressed SDI output and control over ethernet. Mobile, affordable and flexible systems supplied with lightweight fiber optic cables suitable for the world of small PTZ cameras.

## Fiber Base One

Fiber optic control station for control room. 110-220V A/C power input; ethernet i/o; Lemo SMPTE FXW connector carrying camera control data in/out over fiber, SDI-in video over fiber, and 110-220V A/C power output to connect to Fiber Node One; 4 channel 3G SDI out, dual SDI output per channel.

## .... Fiber Node One

Local fiber optic control station. Lemo SMPTE EDW connector carrying 110-220V A/C power input from Fiber Base One, camera control data in/out over SMPTE fiber, SDI-in video over SMPTE fiber; ethernet i/o; 4 hybrid chassis connectors each carrying SDI-in video over fiber, ethernet i/o over fiber, and 24V DC power output to connect to PTZ Monk; 4 channel 3G SDI out, dual SDI output per channel.

## .... Fiber Dock One

Standalone fiber optic control station. 110-220V A/C power input; ethernet i/o; 4 hybrid chassis connectors each carrying SDI-in video over fiber, ethernet (camera control data) i/o over fiber, and 24V DC power output to connect to PTZ Monk; 4 channel 3G SDI out, dual SDI output per channel.

## .... PTZ Monk

PTZ camera converter that converts 3G SDI video and ethernet (camera control data) to fiber. 1 hybrid chassis connector carrying 24V DC input from Fiber Node One or Fiber Dock One, SDI-in video over fiber, and ethernet i/o over fiber; separate connectors for SDI input, ethernet i/o and 12V DC power out to connect to local PTZ camera.





# turnkey systems for PTZ cameras



## Fiber Node System One - for 4 PTZ cameras

1x Fiber Base One, 1x Fiber Node One, 4x PTZ Monk, 4x 2Core single mode  
Hybrid Main Cable on drum, 1x 100m SMPTE cable PUW-FUW on drum.



## Fiber Dock System One - for 4 PTZ cameras

1x Fiber Dock One, 4x PTZ Monk, 4x 2Core single mode hybrid cables on drum.



the fiber optic system



The image features a black, rectangular industrial device, likely a fiber optic system component. It has a prominent circular fiber optic connector on its front face, with a metal probe or sensor attached to it. Above the connector are four small, colored indicator lights (red, yellow, yellow, red). The device is positioned diagonally across the frame. The background is a close-up of bubble wrap, creating a textured, reflective surface. In the foreground, a metal probe with a knurled base and a small sensor tip is visible, connected to a cable. The overall lighting is dramatic, highlighting the metallic and plastic surfaces of the device.

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[www.fieldcast.eu](http://www.fieldcast.eu) • [info@fieldcast.eu](mailto:info@fieldcast.eu)

