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 roadmaps that are being drawn 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 tomorrow's parties.
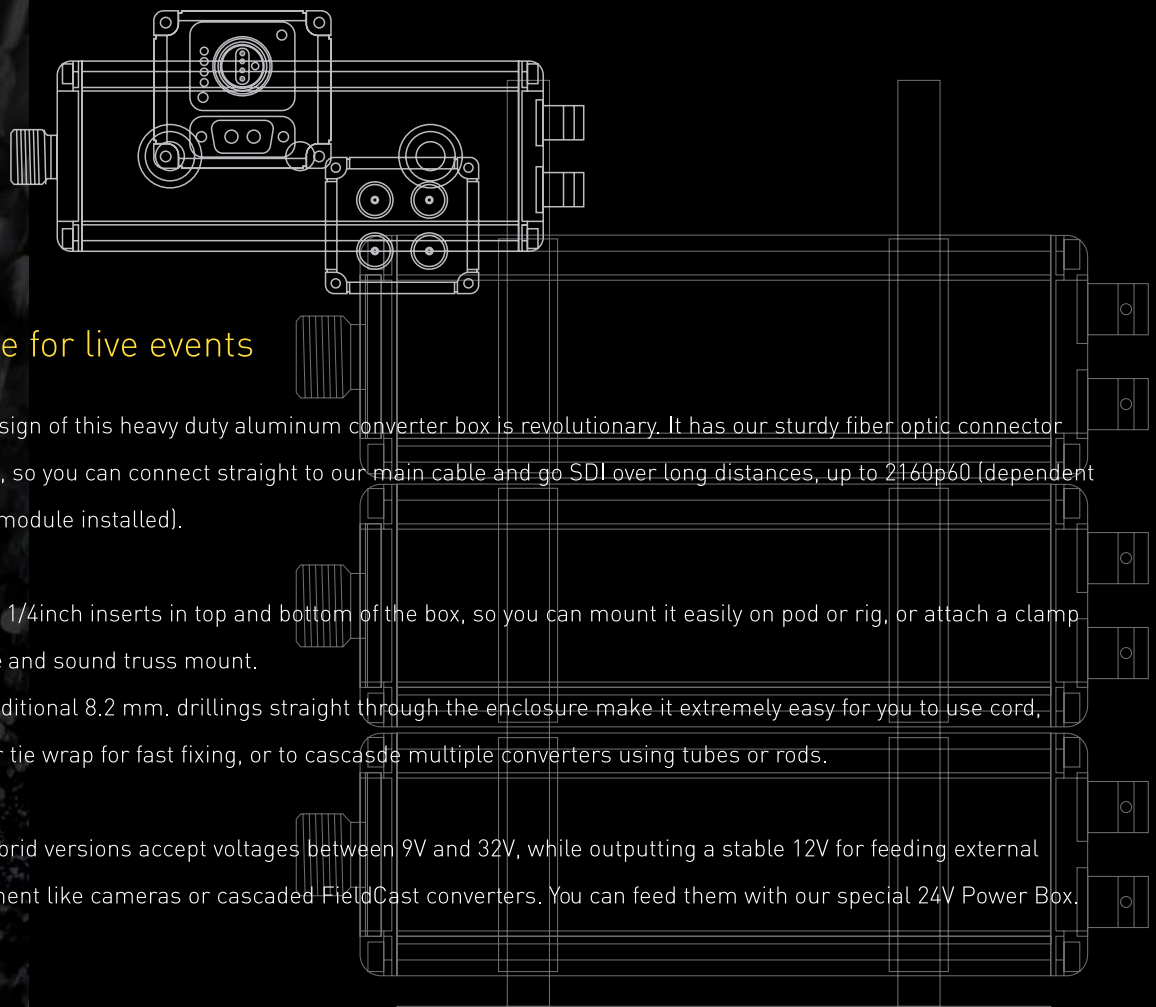
The FieldCast system is robust, affordable, easy to use, and available from stock. FieldCast is made to last.

the fiber optic system

fiber optic converters

Converter One
two channel fiber optic to SDI (with dual SDI outputs)

Converter One Hybrid
two channel fiber optic to SDI (with dual SDI outputs), hybrid

Converter Two
two channel SDI to fiber optic (with SDI loopthrough)

Converter Two Hybrid
two channel SDI to fiber optic (with SDI loopthrough), hybrid

Converter Three
fiber optic to SDI (with loopthrough) / SDI to fiber optic (with dual SDI output)

Converter Three Hybrid
fiber optic to SDI (with loopthrough) / SDI to fiber optic (with dual SDI output), 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 1/4inch 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 cascasde multiple converters using tubes or rods.

The hybrid versions accept voltages between 9V and 32V, 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
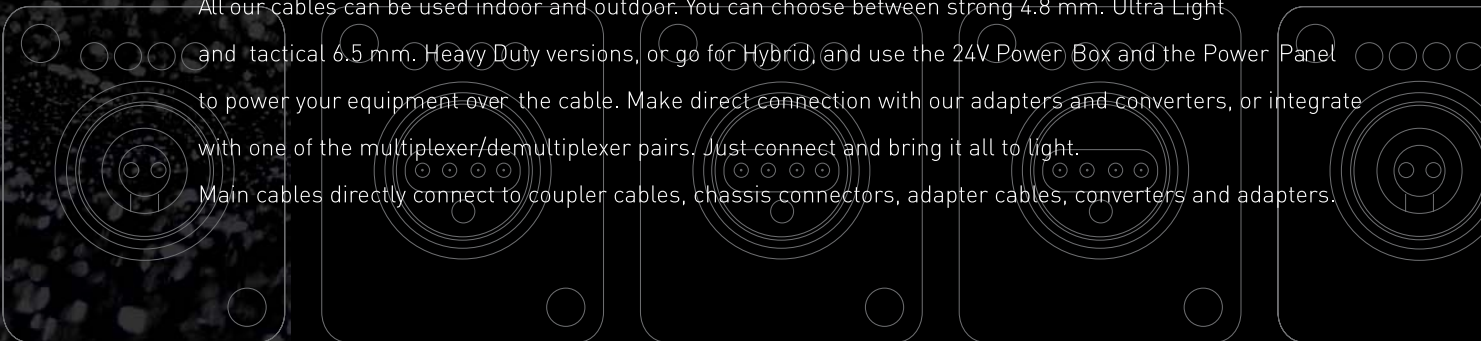
2Core single mode hybrid

Heavy Duty 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 for 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 all 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**
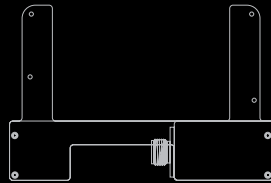cable connector, with with 2 meter cable to 2x LC Duplex
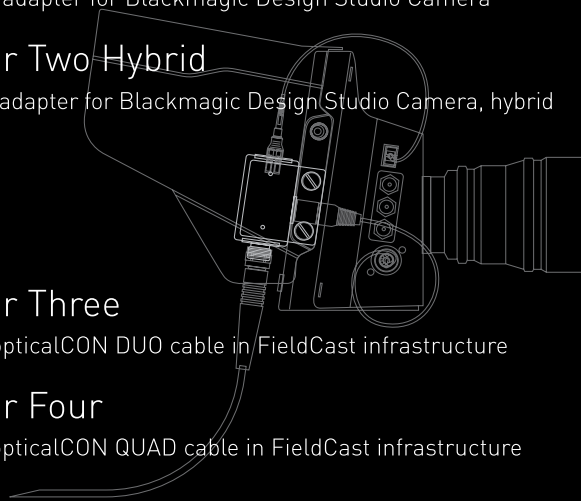
adapters

•• **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**
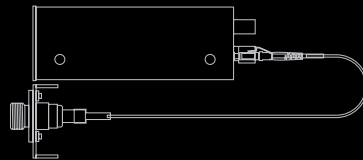fiber optic adapter for Blackmagic Design Studio Camera, hybrid

•• **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

safe and sound connectivity

All adapters and panels connect to the main cable, without any hassle. Combine adapters, panels and cables and build the infrastructure you need for your live events or studio projects. Our hybrid adapters accept any voltage between 9V DC and 32V DC, and will always output a stable 12V DC, so you can power your cameras and other gear over the cable without risk. Connect the 24V Power Box to the Power Panel and you will have a complete plug and play power station to feed four hybrid cables in your OB Van, your studio or your flightcase.

multiplexers

•• **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

power boxes

•••• **Power Box One**
24V DC 150W redundant power s

power panels

•••• **Power Panel One**
front 4x hybrid chassis connector and 4x LED, back with 4x LC Duplex and 4x XLR

powerful solutions

Our mux and demux units use only 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!
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 availble.

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www.fieldcast.eu info@fieldcast.eu

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