

proFibre

The optical transmission system





proFibre provides a solution for all connection issues in the field of events.

proFibre is the first optical system on the market that is completely compatible with HDCP, and which transmits EDID and also DDC-Bus (Display Data Channel) transparently and bidirectionally. The transmission of DDC data via glass fibre routes avoids problems that can occur with standard hybrid systems because of too long cable capacity.



An alternative selectable operating mode also allows an EDID-simulation directly on the transmitter, thus ensuring the elimination of transmission problems that often occur due to incorrect communications between the end device and the source of the signal or as a result of unplugging or turning off the display.

The operating mode can be selected using a sunken switch integrated in the box and is indicated by a coloured LED.

Assembled glass fibre cabling (LWL)

The glass fibre used is manufactured to military standards and can withstand the hardest demands and strain. It is light, very flexible and the extremely small outer diameter of the fibre permits long cable lengths to be wound on small cable drums. The strain-relieving aramid fibres and the low weight facilitate laying even in places that are difficult to access (e.g. in portable buildings) and make the cable insensitive to kinks



Designed as a rugged yet universal high-end solution, the system consists of three individually combinable components!

and tensile loads. The fibre's matt black outer casing is unobtrusive and is made of flame retardant polyurethane. The FIBERFOX connectors used for making connections are multi-functional and straightforward to use. They are light, easy to handle and are equipped with safety caps for transport.

The connector housing is made of hardened, anodised aluminium and is extremely robust (5 ton load capacity). Furthermore, the genderless connector system allows unlimited scalability of all stretches in both directions with its double opposing thread – extensions are possible by simply plugging in a further fibre optic cable without having to take account of the direction of installation. The system is weatherproof and is the only such system on the market with IP68 (also when in an open state).



Transmitter box

The standard transmitter allows the input of two separate digital DVI-I signals (HDMI 1.3 compatible, with HDCP support) as well as a 100Mbit network connection. The equalizers integrated in the extender guarantee the lowest possible jitter rates and thus avoid any resulting image disruptions.

Receiver box

The receiver provides two separate DVI connectors as well as two RJ-45 10/100Mbit Ethernet connections (1000 Mbit to be available soon) connected as a mini hub. A single box is thus, for example, an ideal and compact solution for the wiring of dual projector stacks – including providing a network connection to the projector management.





The transmitter and receiver boxes are manufactured as robust 19"/1 HE housings with half overall widths, and can be inserted into racks or fixed to cross bars. As standard, they are fitted with road-compliant cable strain relief and screwable DVI connectors. The transmitter and receiver do not have a galvanic connection between each other and are thus completely decoupled in electrical terms. Electricity is provided by Powercon connectors and universal mounting options permit the use of VESA, TV adapters and safety kits etc.



Technical Details:

2x single DVI link or HDMI (optionally) over Simplex fiberglass 50 / 125 μm)

integrated 6 canal CWDM splitter

supports HDTV 1080p, max. 1900x1200Pixel (60 hertz)

copy-protected transmission of HDCP content is possible

EDID Operation mode is selectable

Integrated cable equalizer.

Converts 1x 10 / 100TX Ethernet on fiberglass EBC54 mm of installation socket. Built-in net part 100-240V AC, PowerCon net cable is included in delivery.

universal mounting possibilities allow the use of VESA-adapter, TV plug, Safeties etc.