



## SP-FIBERONE-PRO

HDMI Extension over single fiber with NEUTRIK opticalCON connector!

We are very proud to introduce a real high tech product not seen before in the market.

The system uses advanced high speed multiplex architecture for the combination of 3 RGB , 1 clock and the DDC bus into a single data stream with a back channel using WDM technology.

Two datastreams travel at the same time at different light wavelength making it possible to use only one wire !

Both EDID and HDCP information are transparently carried in this system over 400m/1000ft over a single fiber.

The SP-FIBERONE-PRO is unique in its design using Silicon Image TX and RX chips that have powerful Eqs und Reclockers built in avoiding typical problems of standard fiber transmitters that increase jitter to a rate where displays go out of sync.

### No Copper technology:

The transmission of DDC bus data over fiber is avoiding typical problems that can occur with hybrid fiber extenders that use fiber for high speed data and copper for the DDC bus.

These more "simple" designs can suffer from too high capacitance of the copper wires that transmit EDID and HDCP data. Unfortunately we have reports that this already can happen with 50m/165ft of cable length.

If this ancillary data is corrupted the high quality fiber transmission of picture data is worthless as it cannot be decrypted.

## **Technical data**

SP-FIBERONE-PRO is using all fiber transmission!

- \* HDMI 1.3 compatible
- \* Reclocker and Equalizer in TX and RX unit
- \* LC Fiber connector for 50 and 62,5 fibers
- \* up to 400m/1000 ft distance
- \* Uncompromised transmission of EDID and HDCP
- \* fully decoupling of transmitter and receiver
- \* accepts all PC and HD resolutions
- \* 1080p , WUXGA and 2k x 1k compatible
- \* RS-232 transmission bidirectional
- \* Stereo Audio forward transmission
- \* IR- backward channel#

### **Part numbers:**

SP-FIBERONE-PROTX    Transmitter

SP-FIBERONE-PRORX    Receiver