

motionfiber hdmi 2.0 | 4-way kit

transmitter & receiver



description:

The motionfiber hdmi 2.0 4-way is a fiber optic extender to extend hdmi video signals over long distances. It supports high resolution up to 4K (3840 x 2160px @ 60hz). The extender can be used for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security. The motionfiber hdmi 2.0 4-way kit consists of two parts: a transmitter and a receiver unit, which are connected to each other via fiber optic cable.

installation:

1. Connect the motionfiber hdmi transmitter to receiver via optical fiber cable.
2. Connect your source to the hdmi transmitter panel.
3. Connect your display to the hdmi receiver panel.
4. Connect the Powercon cable to the transmitter and receiver boxes. They will connect each other within 5 seconds. As soon as the power LED is lit, the system is running.

Status LEDs:

1. *power*
2. *Signal*
3. *fiber connection (only on receiver box)*

specifications:

video

| | |
|---------------------|---|
| standards | HDMI 2.0b standard |
| maximum pixel clock | 225 MHz |
| maximum data rate | 18 Gbit/s |
| resolution range | up to 4k – 3840 x 2160 @ 60hz |
| color space | YUV 4:4:4 RGB, YXbCr 4:4:4 |
| color depth | 8-bit, 10-bit, 12-bit |
| video connector | Neutrik HDMI Connector Typ A |
| hdmi cable range | up to 2m at resolution 3840 x 2160@60hz |
| impedance | 100 ohm |
| EDID emulation | transparent EDID |
| HDCP | HDCP 1.4 and HDCP 2.2 |
| video delay | 0 frames |

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|--------------------------------------|--|
| <u>audio</u> | |
| HDMI Audio Formats | LPCM 2/5.1/7.1CH Dolby Digital DTS 5.1 Dolby Digital+ Dolby TrueHD DTS-HD Master Audio Dolby Atmos, DTS:X |
| <u>optical fiber</u> | |
| interface connectors | SFP fiber modules via QPC optical connectors |
| interface bandwidth | 18 Gbit/s |
| fiber | OS1 9/125 singlemode |
| laser wavelengths | 1310nm |
| laser class specification | class 1 laser |
| transmission distance | up to 1km |
| <u>power</u> | |
| power supply | 120V – 240V 50/60hz |
| power dissipation | 35W |
| power connector | Neutrik Powercon chassis connector 3/16A flat tab terminals, blue |
| input | |
| output | Neutrik Powercon chassis connector 3/16A flat tab terminals, grey |
| <u>conditions</u> | |
| operating temperature | 0°C to +40°C |
| humidity | 20% to 90% |
| <u>chassis</u> | |
| enclosure | solid metal |
| dimensions (height x width x length) | 44mm x 483mm x 402mm |
| weights | 3,5 kg/unit |
| <u>others</u> | |
| warranty | 1 year warranty |

system overview:

