Kramer 691 4K60 4x2x0 HDMI MM/SM Fiber Optic Extender (Transmitter) with USB/Ethernet/RS-232/IR/Stereo Audio

INPUTS

- 1 HDMI on HDMI connector,
- 1 stereo analog unbalanced audio on a 3.5mm mini jack

OUTPUTS

• 1 fiber optic on a 10Gbps SFP+ LC connector complying with IEEE 802.3ae

PORTS

- 1 IR on a 3.5mm mini jack for IR link extension,
- 1 USB on a female USB-B connector for USB link extension,
- 1 RS-232 on a 3-pin terminal block for serial link extension,
- 1 RS-232 on a 3-pin terminal block for transmitter control,
- 1 100BaseT Ethernet on an RJ-45 female connector for device control and LAN extension

EXTENSION LINE

- HDBaseT 2.0 compliant
- Multi-mode (MM) or single-mode (SM) optical fiber,
- 2 simplex fiber strands

MULTIMODE LINE

- G.651.1 compliant OFNR fiber,
- 850 nm nominal peak wavelength,
- 10.2Gbps max data rate,
- -2.5dBm typical optical transmission power,
- · 8.6dB typical optical maximum loss budget,
- Up to 3km (1.8 miles) reach over OM3 MM fiber

SINGLEMODE LINE

- G.652D compliant OFNR fiber,
- 1310 nm nominal peak wavelength,
- 10.2Gbps max data rate,
- -2.5dBm typical optical transmission power,
- 11.9dB typical optical maximum loss budget,
- Up to 33Km (20.5 miles) reach over OS1 SM fiber

VIDEO

- Up to 10.2Gbps bandwidth (3.4Gbps per graphic channel),
- Up to 4K UHD @60Hz (4:2:0) 24bpp resolution,
- HDMI 2.0 and HDCP 1.4 signal compliance

AUDIO

- Up to 1 Vrms level,
- 0.03% THD + noise @1kHz at nominal level

EXTENDED USB

- 1.1 and 2.0 host compliance,
- Up to 127Mbps (out of max 480 USB) extended line rate bandwidth,
- Up to 7 devices,
- Up to 2 hubs,
- Up to 8 ports per hub

EXTENDED ETHERNET

• Up to 100Mbps Ethernet transmission bandwidth

EXTENDED RS-232

• 300 to 115200 baud rate

CONTROL RS-232

• 115200 baud rate

SUPPORTED PC WEB BROWSERS

- Windows 7 and higher:
- Internet Explorer (32/64 bit) version 10,
- Firefox version 30,
- Chrome version 35
- MAC:Chrome version 35,
- Firefox version 30,
- Safari version 7,
- Note: Minimum browser window size 1024 x 768

POWER SOURCE

• 12V DC, 1.36A

POWER CONSUMPTION

• 12V DC, 600mA

ENCLOSURE

• Half 19" 1U rack unit size, aluminium type

COOLING

Convection ventilation

OPERATING TEMPERATURE

• 0° to +40°C (32° to 104°F)

STORAGE TEMPERATURE

• -40° to +70°C (-40° to 158°F)

HUMIDITY

• 10% to 90%, RHL non-condensing

VIBRATION

• ISTA 1A in carton (International Safe Transit Association)

SAFETY REGULATORY COMPLIANCE

• CE, UL

ENVIRONMENTAL REGULATORY COMPLIANCE

• Complies with appropriate requirements of RoHs and WEEE

INCLUDED ACCESSORIES

• Power supply (12V, 1.36A)

PRODUCT DIMENSION

• 21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H

PRODUCT WEIGHT

• 1.0kg (2.1lbs) approx

SHIPPING DIMENSION

• 35.10cm x 21.20cm x 7.20cm (13.82" x 8.35" x 2.83") W, D, H

SHIPPING WEIGHT

• 1.5kg (3.2lbs) approx