676R is a high-performance HDMI fiber receiver for ultra-reach extension of 4K@60Hz (4:4:4) HDMI signals. 676R receives the transmitted optical signal from a compatible transmitter and converts it to an HDMI and RS-232 signals. 676R includes a multi-mode SFP+ transceiver, but can be used with any Kramer certified SFP+ transceiver, such as a single-mode SFP+ transceiver.

**FEATURES**

**High Performance Standard Fiber Extender** - HDMI fiber receiver for providing ultra-reach signals over either multi-mode or single-mode optical fiber infrastructures, using Kramer pluggable OSP SFP+ units (multi-mode SFP+ included). Near-zero latency video chroma sub-sampling technology, is employed to auto-adapt above 10G HDMI signals to 10G optical link signal data-rate. Note: To ensure specified performance, support, and warranty of this product, use only Kramer's certified hi-performance OSP SFP+ pluggable optical units.

**Multi-drop Signal Distribution** - Use optical splitters to extend the input signals from a single transmitter to multiple receivers, for displaying the same content on multiple display devices using optical splitting only, with no need for AV distribution amplifiers.

**HDMI Signal Extension** - HDCP 2.2 compliant and supports up to 18G (6G per channel) data rate, LPCM 7.1, Dolby True HD, and DTS-HD as specified in HDMI 2.0.

**Power Saving** - With CEC ON/OFF function, shut down a display device automatically when not in use, and auto power it ON upon presentation start.

**I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation for HDMI source and display systems.

**Bidirectional RS-232 Extension** - Serial interface data flows in both directions, to enable data transmission and control of devices.

**Cost-Effective Maintenance** - Status LED indicators for power, source, sink and fiber link connections detection facilitate easy local troubleshooting.

**Easy Installation** - DigiTOOLS® rack mountable fan-less enclosure enables side-by-side mounting of 3 units in a 1U rack space with the recommended rack adapter.
## TECHNICAL SPECIFICATIONS

### Inputs
- Fiber Optic: On LC connector(s)

### Outputs
- HDMI: On a female HDMI connector

### Ports
- RS-232: On a 3-pin terminal block connector
- USB: On a female micro USB connector for firmware upgrade

### Video
- Max Bandwidth: 18Gbps
- Max Resolution: 4096x2160@60Hz 4K@60 (4:4:4)
- Compliance: HDMI 2.0 and HDCP 2.2

### Extension Line
- Optical Fiber: Multi-mode (MM) or single-mode (SM)
- Optical Module: Kramer 10Gbps SFP+ IEEE 802.3ae compliant modules (MM is included)

### Multi-mode Line
- Compliance: G.651.1 OFNR fiber
- Max Reach over OM3 MM Fiber: 3km (1.8 miles)

### Single-mode Line
- Compliance: G.652D OFNR fiber
- Max Reach over OS1 SM Fiber: 33km (20.5 miles)

### Extended RS-232
- Baud Rate 300 to 115200

### User Interface
- Indicators: Source detection, sink detection, optical link and power LEDs
- Controls: Reset button

### Power
- Consumption: 380mA
- Source: 12V DC, 2A

### Environmental Conditions
- 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

### Regulatory Compliance
- Safety: CE, UL
- Environmental: RoHs, WEEE

### Enclosure
- Size: Tool
- Type: Aluminum
- Cooling: Convection ventilation

### Accessories
- Included: MM SFP+ transceiver, power adapter, power cord, mounting bracket set

### Product Dimensions
- W, D, H
- 12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96")

### Product Weight
- 0.2kg (0.5lbs) approx

### Shipping Dimensions
- W, D, H
- 15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43")

### Shipping Weight
- 0.7kg (1.6lbs) approx