



## 616T/616R

Dual-link DVI Tx/Rx Extender over  
Ultra-Reach MM Fiber

| DVI



616T and 616R are detachable dual-link DVI over MM fiber ultra-reach transmitter and receiver pair. They transmit uncompressed resolutions of up to 1080p@60 over dual-link DVI to a range of up to 500 meters (1640 feet). They use duplex multimode fiber optic cable with two LC connectors. 616T converts dual-link DVI signals to optical signals that it transmits to 616R. 616R decodes the optical signals back to a dual-link DVI signal

### FEATURES

**Max. Data Rate** - 13.5Gbps (2.25Gbps per graphic channel)

**Max. Resolution** - HDTV: 480p, 720p, 1080p; Vesa: VGA to WQUXGA @33Hz (XGA not supported)

**Not HDCP Compliant**

**Standards Compliance** - Supports DVI1.0, fully implemented by fiber-optic communication and DDC2B by virtual DDC; Class A digital device, pursuant to part 15 and 2 of FCC and CE

**Laser Standards Compliance** - IEC 60825-1, FDA 21CFR1040; Laser Class 1: Safety of laser products

**System Range** - Up to 500m (1640ft) (multimode)

**EMI/RFI Free**

**EDID Capture** - Copies and stores the EDID from a display device (616T)

**Cable** - Duplex multimode fiber optic cable with two LC connectors

**Power** - External power adapters (supplied) or 5V DC from source (auto detect)



# KRAMER

## TECHNICAL SPECIFICATIONS

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INPUTS:	1 DVI (616T), 1 duplex multimode fiber optic with 2 LC connectors (616R)
OUTPUTS:	1 duplex multimode fiber optic with 2 LC connectors (616T), DVI OUT (616R)
MAX RESOLUTION:	13.5Gbps (2.25Gbps bandwidth per graphic channel), WQUXGA @33Hz (XGA is not supported)
MAX. RANGE:	500m (1640ft) for WQUXGA (3840x2400) at 33Hz refresh rate
POWER CONSUMPTION:	5V DC, 430mA max. (616T); 350mA max. (616R)
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F)
HUMIDITY:	10% to 85%, RHL non-condensing
INCLUDED ACCESSORIES:	Two 5V DC/1A power supplies

