



## 616R/T

Dual Link Detachable DVI Optical  
Transmitter & Receiver

| DVI | 4K/60 UHD (4:2:0)



The 616T and 616R are a small and lightweight, detachable fiber optic transmitter and receiver pair. They transmit uncompressed resolutions of up to WQXGA (2560x1600 @60Hz) or WQUXGA (3840x2400 @33Hz vertical refresh rate) (4K) over dual link DVI to a range of up to 500 meters (1640 feet) using duplex multimode fiber optic cable with two LC connectors. The 616T converts dual link DVI signals to optical signals that it transmits to the 616R. The 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)

**4K Compatible**

**Not HDCP Compliant**

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

**Laser Standards Compliance** - IEC 608251, 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) (4K)
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 noncondensing
DIMENSIONS:	3.9cm x 7.0cm x 1.46cm (1.5" x 2.8" x 0.57") W, D, H
WEIGHT:	0.14kg (0.31lbs) approx
INCLUDED ACCESSORIES:	Two 5V DC/1A power supplies

