



# kramer

## 690R

2x3G SDI Receiver over Ultra-Reach SM  
Fiber

| 3G HD-SDI - BNC



The 690R is a high-performance fiber optic receiver for SDI video signals up to 3G HD-SDI. The 690T converts two 3G HD-SDI signals to single-mode fiber optic and the 690R receiver converts them back to the two original SDI formats. Compatible with the fiber optic matrix VS-88FO

## FEATURES

**Max. Data Rate** - 3Gbps

**Inputs** - 2 single-mode fiber optic on LC connectors

**Outputs** - 2 SDI on BNC connectors

**HDTV Compatible**

**Multi-Standard Operation** - SDI (SMPTE 259M and SMPTE 344M), HD-SDI (SMPTE 292M), 3G HD-SDI (SMPTE 424M)

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

**Kramer Equalization & re-Klocking™ Technology** - Rebuilds the digital signal to travel longer distances on the coax cable, 200m (HD-SDI) & 100m (3G HD-SDI)

**System Range** - Up to 10km (6.2mi)



## TECHNICAL SPECIFICATIONS

|                           |  |
|---------------------------|--|
| INPUTS:                   | Dual single-mode fiber (9/125) over LC connectors            |
| OUTPUTS:                  | 2 SD/HD/3G HD-SDI on BNC connectors                          |
| BANDWIDTH:                | Supports up to 3Gbps bandwidth for each input                |
| FIBER OPTIC EXTENSION:    | Up to 10km (>6.2 miles) for 3G-SDI                           |
| INPUT CABLE EQUALIZATION: | 200m for SDI, 100m for 3G-SDI                                |
| POWER CONSUMPTION:        | 5V DC, 350mA   |
| 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                               |
| INCLUDED ACCESSORIES:     | Power supply   |
| Product Dimensions        | 6.22cm x 5.18cm x 2.44cm (2.45" x 2.04" x 0.96" ) W, D, H    |
| Product Weight            | 0.1kg (0.2lbs) approx  |
| Shipping Dimensions       | 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94" ) W, D, H |
| Shipping Weight           | 0.5kg (1.1lbs) approx  |

