The 690T is a high-performance fiber optic transmitter 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. The unit is compatible with the fiber optic matrix VS-88FO.

**FEATURES**

- Max. Data Rate - 3Gbps
- Inputs - 2 SDI on BNC connectors
- Outputs - 2 single-mode fiber optic on LC 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:**
- 2 SD/HD/3G HD−SDI on BNC connectors

**OUTPUTS:**
- Dual single−mode fiber (9/125) over LC 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, 480mA

**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