



## 690R

2x3G SDI Transmitter over Ultra-Reach SM Fiber



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.
DIMENSIONS:	6.2cm x 5.2cm x 2.4cm (2.4" x 2.0" x 0.9") W, D, H.
WEIGHT:	0.14kg (0.31lbs) approx.
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK-4PT 19" rack adapter.

