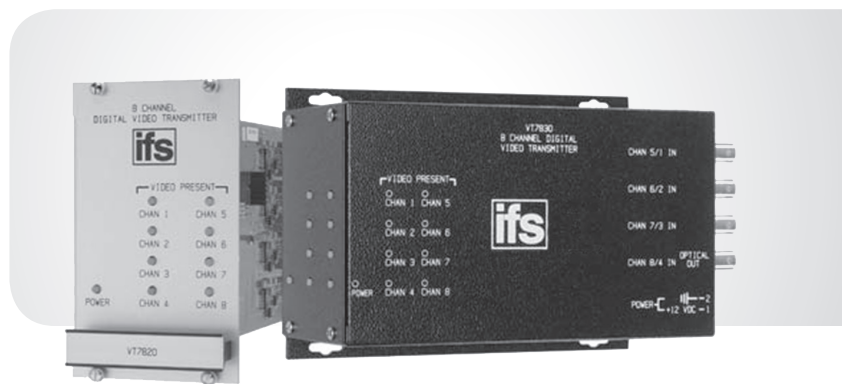


# VT/VR7800 Series

IFS 8-Channel Digitally Encoded Video Multiplexer



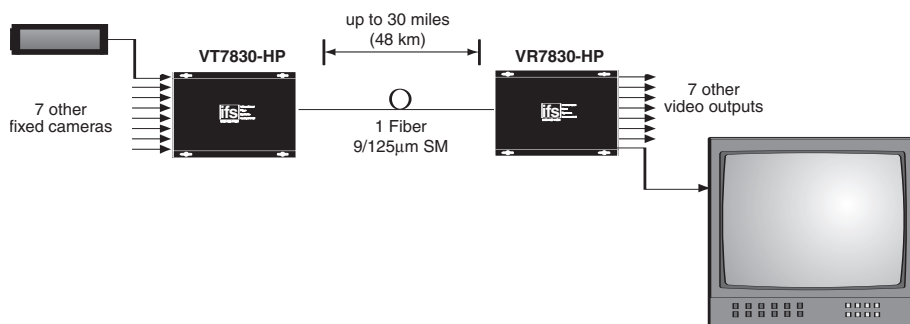
## OVERVIEW

The IFS VT/VR7800 Series Video Transmitter/Multiplexer and Video Receiver/Demultiplexer series utilize state-of-the-art 8-bit digital encoding and decoding for high-quality video transmission that exceeds the requirements of EIA RS-250C for Medium-Haul Video Transmission. These environmentally hardened units provide transmission of eight independent video channels over one multi-mode or singlemode optical fiber and are ideal for use in unconditioned road-side or out-of-plant installations. These units are completely transparent to and universally compatible with any NTSC, PAL, or SECAM CCTV camera system. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required. LED indicators are provided for rapidly ascertaining equipment operating status and these units are provided in either a stand alone or a rack-mount configuration.

## APPLICATION EXAMPLES

- High-Performance Multiple-Channel CCTV Transmission
- Installations with Limited Fiber
- Conduit with Limited Space for Additional Cabling

## SYSTEM DESIGN



## STANDARD FEATURES

- 8-Bit Digitally Encoded Video Transmission Transmits 8 Real-Time Color Video Signals on One Optical Fiber
- Exceeds All Requirements for RS-250C Medium-Haul Transmission: Extremely High Video Performance
- Exceptionally Low Video Distortion with Zero Performance Variation vs. Optical Path Loss
- Tested and Certified by an Independent Testing Laboratory for Full Compliance with the Environmental Requirements (Ambient Operating Temperature, Mechanical Shock, Vibration, Humidity with Condensation, High-Line/Low-Line Voltage Conditions and Transient Voltage Protection) of NEMATS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- Ideally Suited to Networks Requiring Multiple Physical Layers Where Video Degradation may be a Problem
- Directly Compatible with All NTSC, PAL, or SECAM CCTV Camera Systems
- Wide Optical Dynamic Range: Optical Attenuators are Never Required
- LED Status Indicators Provide Rapid Indication of Critical Operating Parameters
- Solid-State Current Limiters on All Power Lines Provide Unconditional Equipment Protection
- Comprehensive Lifetime Warranty

