

## IRIG Time Code Distribution

IRGM-1504

### For High Quality IRIG Signal Distribution

The **LuxLink**® IRGM-1504 consists of an optical transmitter that converts an electrical IRIG A through E input signal into four individual optical output signals for distribution over separate fiber optic cables to IRGR-1501 receivers. The IRGP-1501 is an optical repeater that is used to implement a drop-and-repeat linear IRIG A through E distribution networks.

The IRGM-1504 is compatible with IRGT-1501 and IRGR-1501 transmitters and receivers. Integral indicators show the presence of IRIG signals and operating power, making system troubleshooting simple.



### Technical Specifications

Signal Bandwidth	100 Hz to 500 KHz (+0,-3dB)
Input / Output Impedance	50 ohms
Input / Output Level	3 volts pp maximum
Signal/Noise Ratio*	60 dB minimum (ref 1Vpp)
Linearity & THD	2% typical
Operating Wavelength	850, 1310 or 1550nm
Optical Loss Budget	0-12dB (multimode or single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connector	BNC
Operating Temperature	-35° to +75°C
Humidity	<95% non condensing
MTBF (per MIL HBK 217)	>120,000 hours
Power Requirements	11-24 VAC/DC @ 350mA
Physical Size (mm)	5.0" (127)L x 7.0" (178)D x 1.0"(25.4)W

\*Measured with 1Km of 62.5u multimode fiber.

Note that all specifications are subject to change without prior notice.

### Important Features

- **Cost-effective**
- **12 dB Loss Budget**
- **Signal & Power Indicators**
- **Stand-alone, DIN or Rack Mountable (same unit)**

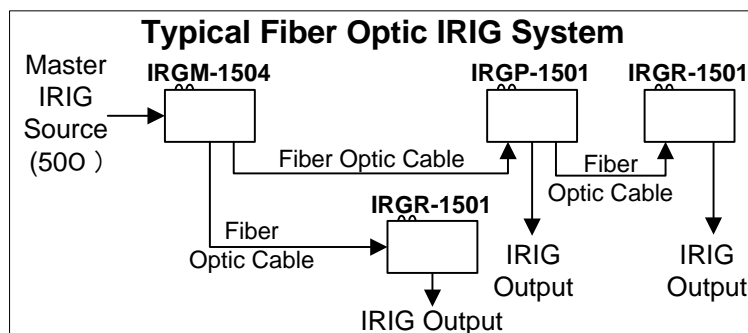
### Ordering Information

Four Channel Optical Transmitter, IRGM-1504-X

"X" = Wavelength/Fiber  
-1 = 850nm Multimode, ST  
-3 = 1310nm Multimode, ST  
-7 = 1310nm Single mode, FC

For stand-alone operation order a PS-1205 power supply for each unit.

For rack mounted operation all operating power is provided by the power supply used with the rack panel.



**LuxLink**®  
Fiber Optic Transmission Systems

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