

DC Time Code Distribution

IRGM-7004 / IRGP-7001

For Digital Pulse Distribution

The *Luxlink™* IRGM-7004 is an optical transmitter that converts a DC time code signals, IRIG-A through H, DCLS (1 pulse per second to 10K pps) into four individual optical output signals for distribution over separate fiber optic cables to IRGR-7001 receivers. Multiple IRGM-7004 units may be “daisy-chained” when more than 4 output channels are required. The IRGP-7001 is an optical repeater that is used to implement a drop-and-repeat time code distribution network.

Both units are compatible with IRGT-7001 and IRGR-7001 transmitters and receivers. Integral indicators are also provided on both units to continuously indicate the presence of DC time code signals as well as the presence of operating power making system troubleshooting simple..



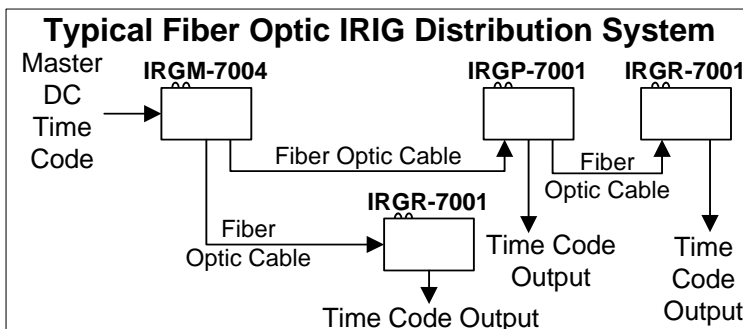
Technical Specifications

Important Feature

Data Rate	1 pulse/sec to 10,000 pulse/sec
Protocol Standard	IRIG A, B, D, E, G, H; DCLS
Input / Output Impedance	50 ohms
Input / Output Level	4 volts (TTL), 40 mA
Bit Error rate	10E9 minimum
Operating Wavelength	850, 1310 or 1550nm
Optical Output Power (typ)	-15 dBm (multi-mode) -15 dBm (single-mode)
Optical Loss Budget	0-12dB (multi-mode) 0-12dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connector	BNC
MTBF (MIL-HDBK-217D)	100,000 Hours
Operating Temperature	-35° to +75°C
Power Requirements**	11-24 VAC/DC @ 250mA
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

- **DC Coupled**
- **12 dB Loss Budget**
- **Signal & Power Indicators**
- **Stand-alone or Rack Mountable (same unit)**

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



Ordering Information

IRGM-7004-X Four Channel Tx,
IRGP-7001-X Repeater

“X” = Wavelength/Fiber
-1 = 850nm Multi-mode, ST
-3 = 1310nm Multi-mode, 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.