



Fiber Optic Components

EHT PRODUCTS

Precision Integrators

Precision Continuous Integrator PCI1

Fiber Optic Components

1 Channel Fiber to BNC FR-1

1 Channel BNC to Fiber FT-1

8 Channel Fiber Receiver FR-8

8 Channel Fiber Transmitter FT-8

Interlock Controller ILC-16

Power and Switching

High Power IGBT Switching

Piezo/Puff Valve Drivers

30 kV Isolated Control Power

Services

Custom Pulsed Power Design

Ultra High Vacuum Design

Experimental Systems Design

Technology

High-Ionization Plasma Sources

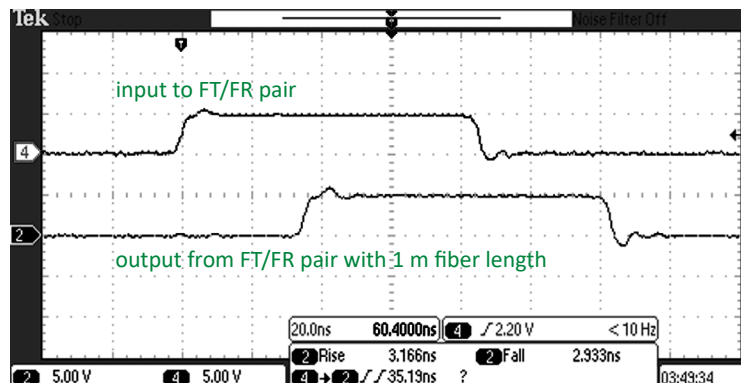
Cubesat Micropropulsion

GPU Parallelized Computation

8 Channel Multifunction Transmitter (FT-8)



The FT-8 8 Channel Multifunction Transmitter interface unit from Eagle Harbor Technologies Inc., offers flexible and affordable fiber interfacing for typical laboratory control needs. Robust and reliable, the FT-8 is ideal for noise-immune triggering and control via the fiber transmitters and 50 Ω BNC outputs. The FT-8 has single channel BNC inputs, and a master BNC input to control all 8 channels simultaneously. In addition, the FT-8 is compatible with 68-pin National Instruments connectorization for selectable channels and cable pass-through. The brilliant front panel LEDs indicate channel activity and power status. A sample VI for LabVIEW™ support is provided. Indispensable for the complexities of the laboratory, where flexibility and extensibility can be easily achieved by ganging units together. For more portable installation applications, see the FT-1/FR-1 single channel units. For a complete rack-mount transmit/receive solution see the companion to the FT-8, the FR-8 8 Channel Multifunction Receiver.



Plot FT/FR pair rise/fall, delay into 50 Ω

- 8 channel unit allows for BNC or National Instruments 68-pin DIO/Counter Timer connectorization with pass-through capability
- High performance 8 channel BNC or fiber fan out support
- Uses robust inexpensive 2.2mm jacketed plastic fiber with no end polishing or connector required

specifications

- Rise/fall time < 5 ns
- Jitter < 2 ns
- In/out delay ~35 ns with FT-8/FR-8 pair at 1 m fiber length
- Back panel 68-pin NI compatible pass-through and channel selection
- 4 ns to DC pulse lengths

Included in the box:

FT-8 19" 1U rack unit, 120V Equipment Cord, Quick Start Guide, Sample VI for LabVIEW™



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