

Camera Fiber-Link CFL-6000 Hi-Speed Dual Base

QUICK START GUIDE

The Camera Fiber-Link System-6000 from Thinklogical® uses one or more Camera Side Units and a Frame Grabber Side Unit interconnected by duplex, multi-mode fiber optic cables to allow Camera Link video support up to 500 meters (1640 feet) from the host computer with *no loss of signal or resolution and without the use of amplifiers or repeaters of any kind.*

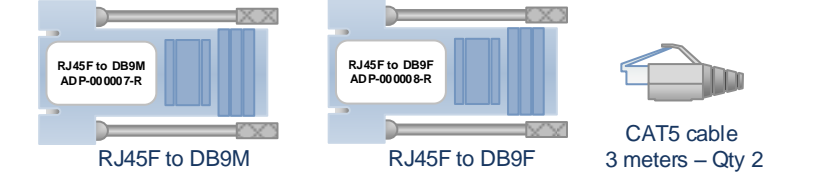
With **industrial enhancements** such as threaded screw-lock input connectors for standard 5V-12V input power, or with our 12V-24V input power designed for rugged industrial environments, and with our compact, light-weight design, the Camera Fiber-Link System is *ideal for any application.*

Visit our website at www.thinklogical.com to see our complete line of Camera Fiber-Link and other fiber-optic extender products.

When you receive your Thinklogical® CFL-6000 Camera Fiber-Link system, you should find the following items:

- Camera Fiber-Link (CFL-3000 Camera Side) Transmitter – Qty 2
- Camera Fiber-Link (CFL-6000 Frame Grabber Side) Receiver
- DC Power Supply – Qty 3 (Standard or Industrial Option*)
- MDR-26 Cable, 2 Meters (CBL-000007-002MR) – Qty 2

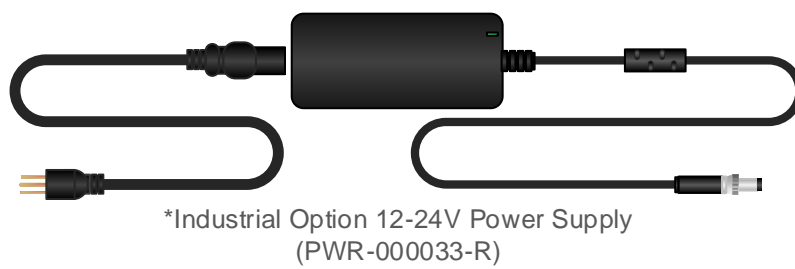
- Camera Fiber-Link Adapter/Cable Kit (KIT-000013-R) – Qty 1



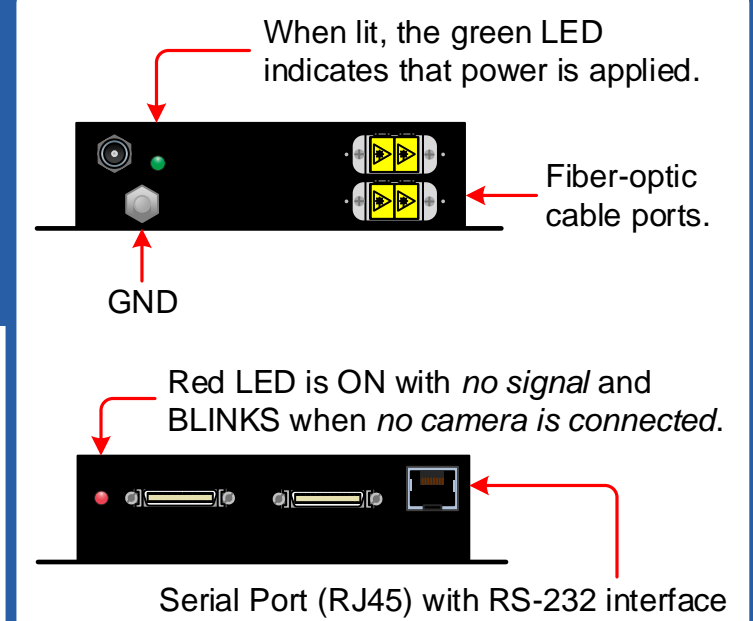
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Supports one dual base Frame Grabber or two individual Frame Grabbers with a pixel clock of 20-85MHz.
Camera Fiber-Link Sample Rate:

- Communications from Camera to Frame Grabber, SerTFG-Differential pair with serial communications to frame grabber: 97MHz.
- Communications from Frame Grabber to Camera, SerTC-Differential pair with serial communications to the camera: 97MHz.
- Camera Control 1 (CC1), Camera Control 2 (CC2), Camera Control 3 (CC3), Camera Control 4 (CC4) are sampled at 97MHz.
- Serial Port Communications sampled at ~32MHz from Camera to Frame Grabber (RX, DSR, CTS) and at 97MHz from Frame Grabber to Camera (RTS, TX, DTX).



*Industrial Option 12-24V Power Supply (PWR-000033-R)



Complete Steps 1-8 to connect your Camera Fiber-Link CFL-6000 System

STEP 1: Check the contents to ensure that you've received all the items included with your system.

STEP 2: Connect multi-mode fiber optic cables (up to 500 meters) between the Frame Grabber Side Unit and the two Camera Side Units. For each camera, connect L1 to L1 and L2 to L2. Be sure not to kink or pinch the cables and keep all bend radii to no less than 3 inches.

STEP 3: Connect the standard +5-12VDC power supplies (PWR-000022-R), or the industrial option 12V-24V power supplies (PWR-000033-R), to the Camera Side Units (Tx) and plug each one into a standard AC source.

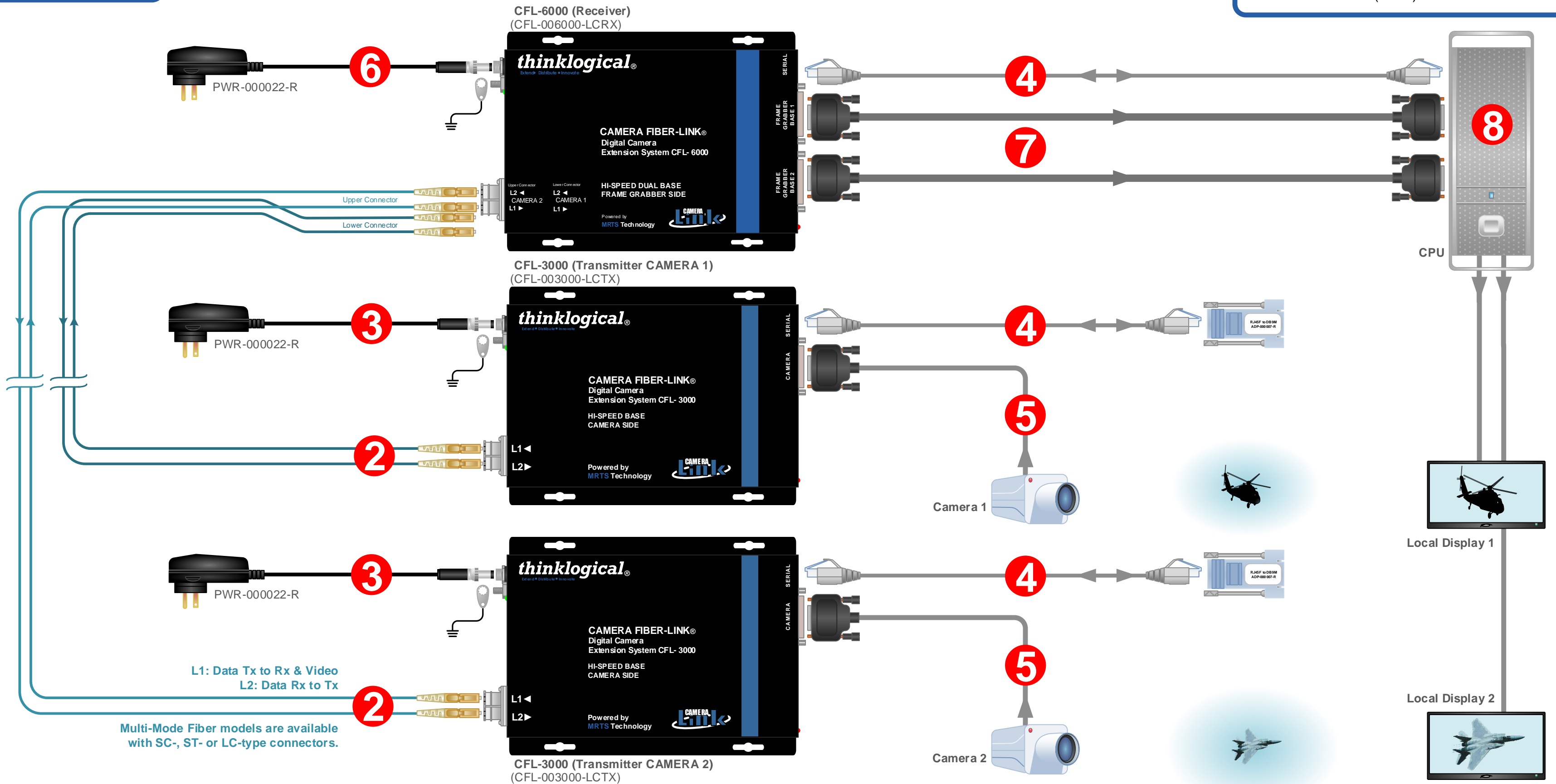
STEP 4: If using external sensors, lighting, etc., two CAT5 cables and RJ45F to DB9M and DB9F adapters (KIT-000013-R) are included to connect your serial device(s) through the Camera Side and Frame Grabber Side units.

STEP 5: Using MDR-26 Cables, connect a camera to each of the Camera Side Units (Tx) at the CAMERA port and turn the cameras ON.

STEP 6: Connect the standard +5-12VDC power supply (PWR-000022-R), or the industrial option 12V-24V power supply (PWR-000033-R), to the Frame Grabber Unit (Rx) and plug it into a standard AC source.

STEP 7: Using two MDR-26 Cables (CBL-000007-002MR), connect the CPU's frame grabber to the Frame Grabber Side Unit (Rx).

STEP 8: Open the frame grabber application on the Source CPU. Verify that all system features are functioning properly.



Multi-Mode Fiber models are available with SC-, ST- or LC-type connectors.



To complement its line of Camera Fiber-Link extenders, Thinklogical® also offers high performance USB 2.0 and Firewire 800 Camera Extenders. Please contact a Thinklogical® sales representative for details.