

Camera Fiber-Link CFL-3000 Hi-Speed Base

QUICK START GUIDE

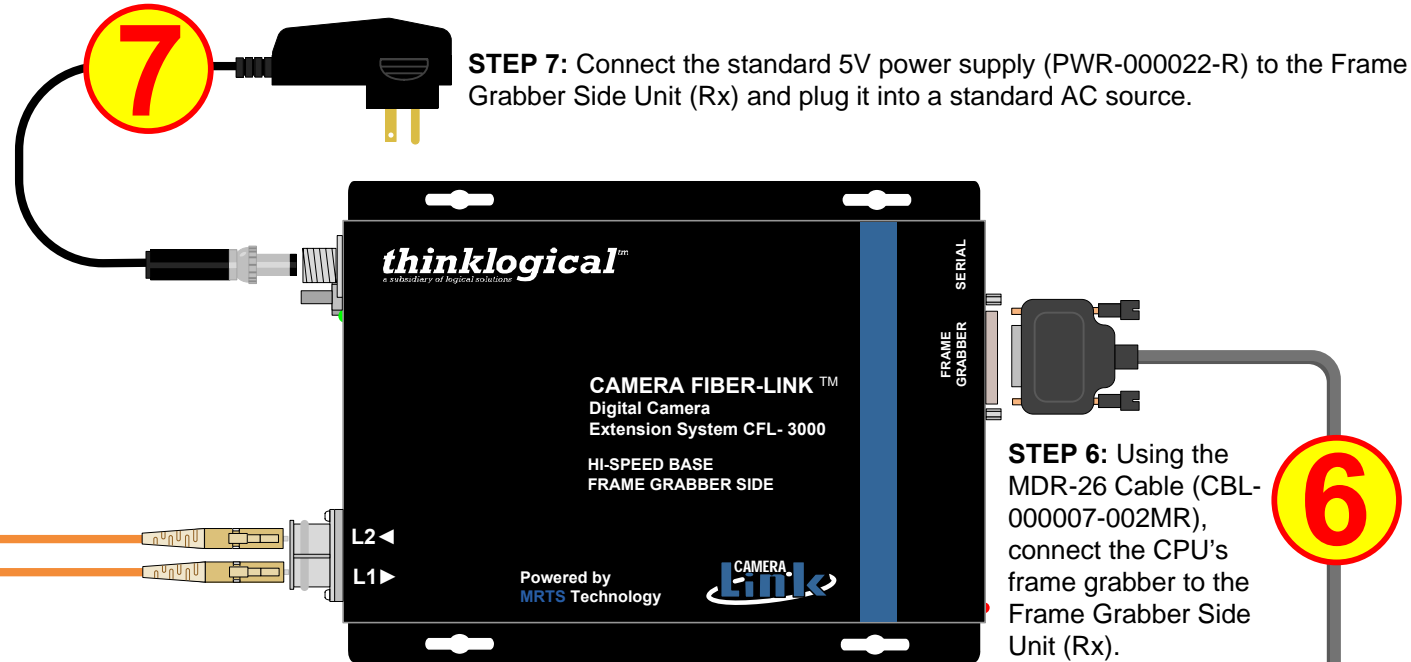
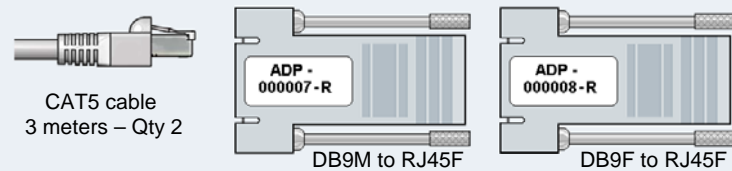
The Camera Fiber-Link System uses a Camera Side Unit and a Frame Grabber Side Unit interconnected by duplex, multi-mode fiber optic cables to allow Camera Link video support up to 500 meters (1640 feet) from the host computer with no loss of signal or resolution and without the use of amplifiers or repeaters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

With industrial enhancements such as a threaded screw-lock input power connector and our compact, light-weight design, the Camera Fiber-Link System is ideal for any application.

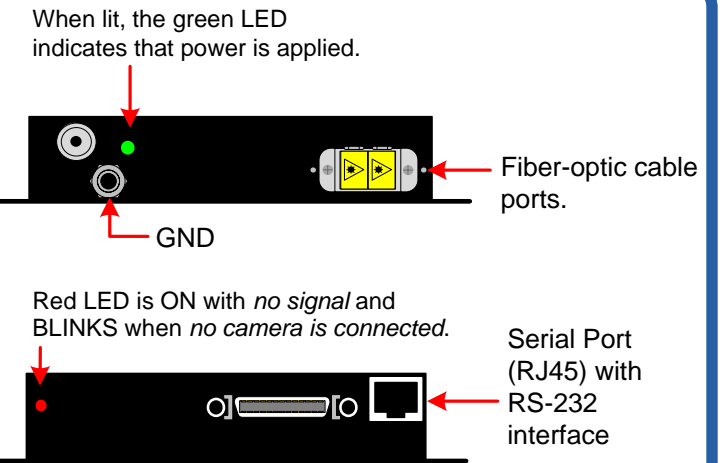
STEP 1: Check the contents.

When you receive your Thinklogical™ CFL-3000 Camera Fiber-Link system, you should find the following items:

- Camera Fiber-Link (CFL-3000 Camera Side) Transmitter
- Camera Fiber-Link (CFL-3000 Frame Grabber Side) Receiver
- AC Power Supply – Quantity 2
- MDR-26 Cable, 2 Meters (CBL-000007-002MR) – Quantity 2
- Camera Fiber-Link Adapter/Cable Kit (KIT-000013-R) – Quantity 1



STEP 7: Connect the standard 5V power supply (PWR-000022-R) to the Frame Grabber Side Unit (Rx) and plug it into a standard AC source.



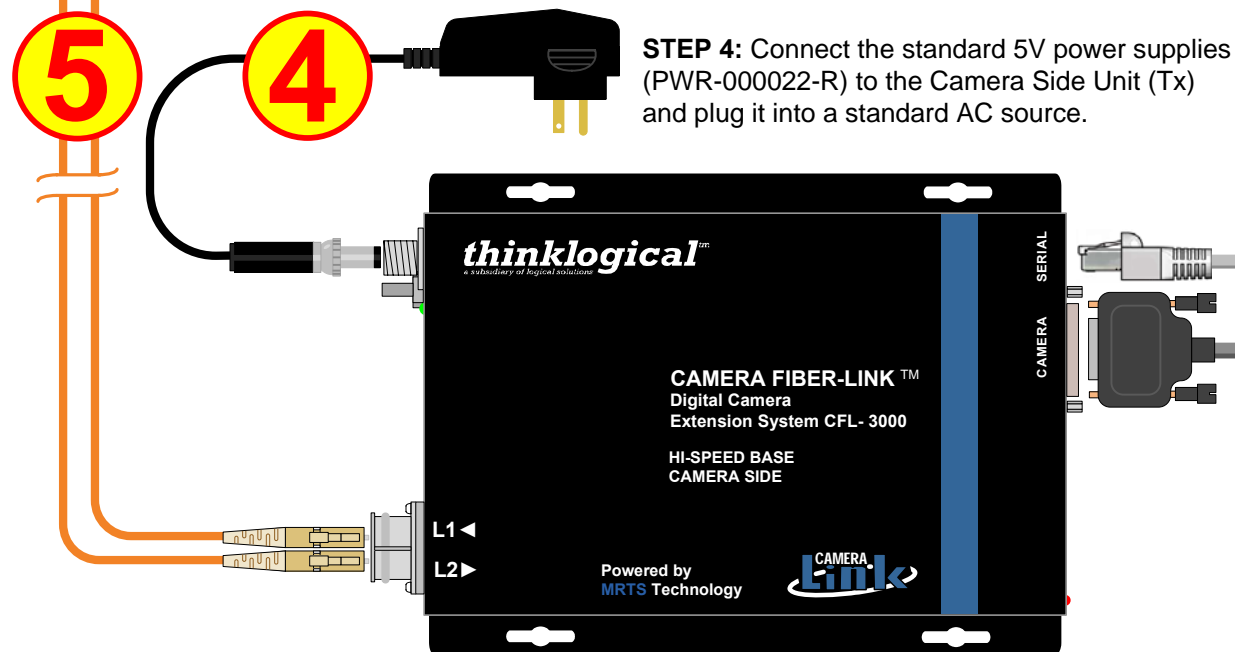
STEP 8: Open your frame grabber application. Verify that all system features are functioning properly.

STEP 5: Install and connect the standard, multi-mode fiber optic cables between the Frame Grabber side unit and the Camera side unit (up to 500 meters). Be sure not to kink or pinch the cables and keep all bend radii to no less than 3 inches.

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

Single-Mode Fiber option models use APC (Angled Physical Contact) SC-type connectors.

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



STEP 4: Connect the standard 5V power supplies (PWR-000022-R) to the Camera Side Unit (Tx) and plug it into a standard AC source.

STEP 3: If using external sensors, lighting, etc., two CAT5 cables and RJ45 to DB9M and DB9F adapters (KIT-000013-R) are included to connect your serial device(s) to the Camera Side and Frame Grabber Side units.

STEP 2: Using the MDR-26 Cable (CBL-000007-002MR), connect the camera to the Camera Side Unit (Tx) and turn the camera ON.

Camera Fiber-Link Sample Rate:

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



Supports all Camera-Link base configurations with a pixel clock from 20-85MHz.

thinklogical™

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