

FiberPath

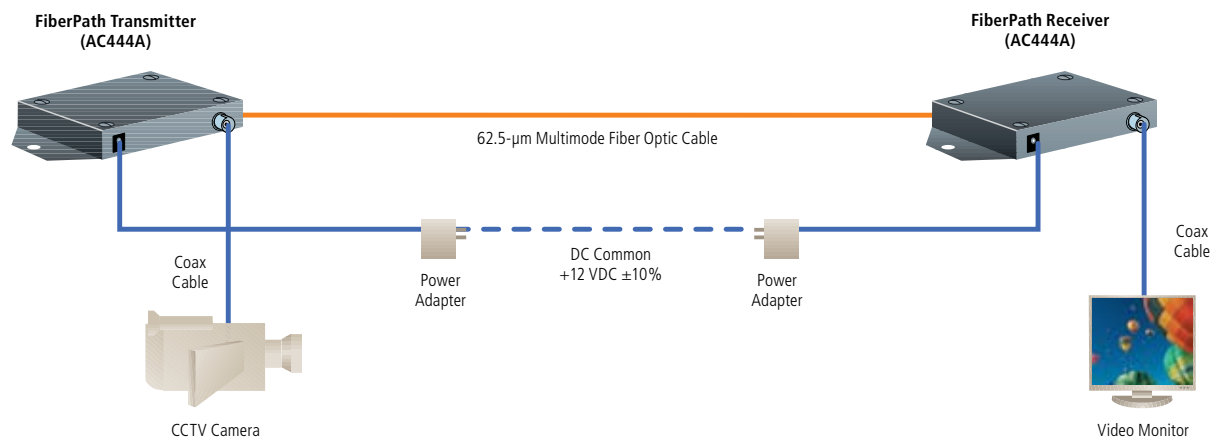
The fiber optic video transmission system or simplex multimode fiber optic cable.



FEATURES

- » Includes a transmitter, receiver, two power supplies, and a users' manual.
- » Immune to electrical interference, ground loops, and high voltages.
- » Send video—in color or black and white—up to 1.5 miles!
- » Easy installation—all you need is a screwdriver.
- » Compatible with all standard analog video formats.
- » International versions available.

Typical FiberPath installation.



OVERVIEW

Send high-performance video up to 1.5 miles (2.4 km) at an affordable price. The BLACK BOX® FiberPath is a high-quality fiber optic video transmission system designed to transmit color or black and white video signals over standard simplex multimode fiber cable.

Use it for a variety of applications: videoconferencing, scientific observation, indoor or outdoor security systems, or CCTV.

The complete FiberPath system includes a transmitter, a receiver, and two power supplies. We offer 115-VAC, 220–230-VAC, and 240-VAC powered versions of the FiberPath system, as well as replacement transmitter and receiver units.

Because FiberPath transmits over standard simplex multimode fiber, it's ideal for both indoor and outdoor protected environments. And it's a great alternative to coax cable, since it's immune to the effects of electrical interference, ground loops, explosive and hazardous environments, water, and high voltages.

The FiberPath system is compatible with all standard analog video formats (including NTSC, PAL, and SECAM) and will operate with all standard 62.5-µm multimode fiber optic cable and industry-standard ST® optical connectors.

The transmitters and receivers can be installed easily with a screwdriver and include handy tabs and self-adhesive mounting pads. The transmitter is placed at the camera or source of video to be transmitted, and the receiver is placed at the monitor or device where the video will be received.

To cable the transmitter, plug in the video source's coax cable to the unit's BNC port and plug an ST terminated fiber cable into its optical connector. At the receiver end, plug your video monitor or other video receiving device into the receiver's BNC port and the fiber cable's ST plug into the optical connector.

To fine-tune the picture, just adjust the LEVEL control on the FiberPath Receiver.

What's included

AC444A, AC444AE, AC444AE-UK:

- ◆ (1) FiberPath Transmitter
- ◆ (1) FiberPath Receiver
- ◆ (2) power supplies
- ◆ Users' manual



AC444A

TECH SPECS

- Approvals** — FCC Class A, Subpart B of Part 155; CE; the power supply is UL®, CSA listed
- Compatible Optical Cable** — 62.5- μ m multimode fiber with industry-standard ST connectors
- Distance (Maximum)** — 1.5 mi. (2.4 km)
- Input/Output Voltage** — 1 volt pp (user-adjustable at receiver)
- Input/Output Impedance** — 75 ohms
- Signal/Noise Ratio (per RS-250)** — 52 dB minimum
- Differential Gain (per RS-250)** — 2% typical
- Differential Phase (per RS-250)** — 1% typical
- Optical Wavelength** — 850 nanometers
- Optical Loss Budget (Minimum)** — 12 dB
- Connectors** — Each transmitter and receiver unit: (1) ST, (1) BNC (75-ohm), (1) barrel for power
- Temperature Tolerance** — -31 to +167°F (-35 to +75°C)
- Humidity Tolerance** — Up to 95%, noncondensing
- Power** — AC444A: (2) 115-VAC, 60-Hz wallmount adapters;
AC444AE: (2) 220–230-VAC, 50-Hz wallmount adapters;
AC444AE-UK: (2) 240-VAC, 50-Hz wallmount adapters
- Size** — Each transmitter and receiver unit: 1"H x 2.4"W x 3.8"D (2.5 x 6.1 x 9.7 cm)
- Weight** — Each transmitter and receiver unit: 0.5 lb. (0.2 kg)

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Item	Code
FiberPath Transmitter/Receiver	
115-VAC, 60-Hz	AC444A
220–230-VAC, 50-Hz (Europe)	AC444AE
240-VAC, 50-Hz (U.K.)	AC444AE-UK
To replace a FiberPath component, order...	
Transmitter Only	AC445A-TX
Receiver Only	AC446A-RX
<i>NOTE: AC445A-TX and AC446A-RX do not come power supplies.</i>	
You may also need...	
Multimode, General-Purpose, Distribution-Style Bulk	
Fiber Optic Cable, 1000-ft. (304.8-m)	EXN4050A-1000
Coax Cable, RG59, PVC (CL2),	
Custom Lengths	ETN59-BNC