

LDK 4426 3G Triax Camera to 3G Fiber Converter

3G TRANSMISSION FAMILY CONVERTER

Takes single mode (dark) fiber and provides a full 3G triax connection to the camera, with no more limitations and no more differences.



The Grass Valley™ LDK 4426 3G Triax Camera to 3G Fiber Converter is a heavy duty, high-quality, multi-standard converter between 3G Triax and 3G Fiber transmission systems that is fully 3G and 3D-ready. It supports current 1080i50/60 and 720p50/60 formats as well as future 1080p50/60 transmission from the LDK 8000 Elite WorldCam.

The LDK 4426 Converter makes a 1-to-1 conversion of a 3G Triax camera signal to a 3G Fiber signal. Ancillary data, such as return-video, control, and intercom are also converted 1-to-1. There is absolutely no compromise on quality. Using this converter with LDK cameras means complete transparency between 3G Fiber and 3G Triax.

There are two primary scenarios where this converter is ideal:

- 1) **In pre-cabled (dark) fiber venues and stadiums:** The LDK 4426 Converter is connected between the 3G Triax camera and the pre-cabled dark fiber infrastructure, which is connected to the 3G Twin Base Station (LDK 4420).
- 2) **Where very long cable runs are required.** The 3G Triax camera can only normally run up to 1,500m (4,921 ft.), this can be extended to over 10 km (32,808 ft.) when using single mode (dark) fiber. Connection is exactly same as above.

The LDK 4426 Converter turns 3G Triax signals into 3G Fiber signals without any quality loss or functionality loss—maintaining all transmission diagnostics.

This converter in combination with the 3G Twin Base Station *gives maximum transmission flexibility for any OB truck.*

It is compatible with single mode fiber connectors (both ST and SC types) and the (Lemo) hybrid fiber SMPTE connector, and uses a standard local mains power connector (IEC type, 3-pin male).

The converter is built to withstand extreme weather situations and conforms to the IP54 safety standard (dust and waterproof). It is supplied as standard with a sunhood and a robust bracket. It can also be placed in a standard 19" rack where up to four units can be placed side-by-side. Additional cooling is recommended for rack installation.

KEY FEATURES

- 1-to-1 transparent conversion of full 3G Triax into full 3G Fiber
- A member of the versatile Grass Valley 3G Transmission family
- Full transmission diagnostics
- Complements 3G Twin Base Station (LDK 4420)
- Robust field unit (conforms to the IP54 standard)
- Extremely long cable capabilities (>10 km (32,808 ft.))

SPECIFICATIONS

General Video

720p: 23.98/25/29.97/50/59.94 Hz
1080i: 50/59.94 Hz
1080p (WorldCam): 23.98/24/25/29.97/50/59.94 Hz

General

Dimensions (HxWxL, approx.): 230 x 330 x 110 mm (9.1 x 13.0 x 4.3 in.) without sunhood, without bracket
Operating temperature: -20°C to +45°C (-4°F to +113°F)
Storage temperature: -40°C to +70°C (-40°F to +158°F)

Operation humidity: Max. 90% (non-condensing)
Shock resistance: Max. 10G (transport), max. 2G (operating)
Altitude: Max. 15,420m (50,000 ft.)
Weight: 8.5 kg (18.7 lbs.)
Safety requirements for outside operation: Conforms to IP54 standard
Power connector: IEC type, 3-pin male
Power requirement: AC 100V/240V, 47 to 63 Hz

Power consumption (local mains connection): 380VA or 375 Watt max. in studio configuration; 200 VA or 180 Watt max. in portable configuration

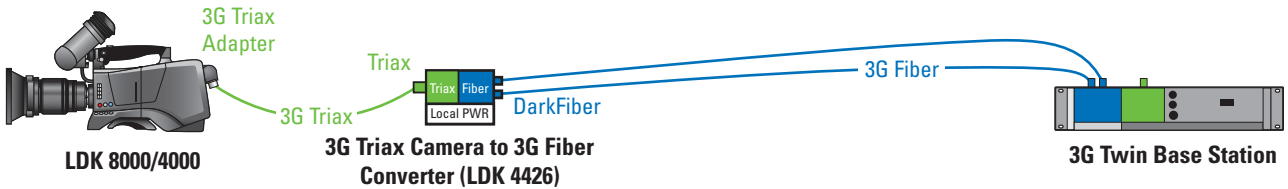
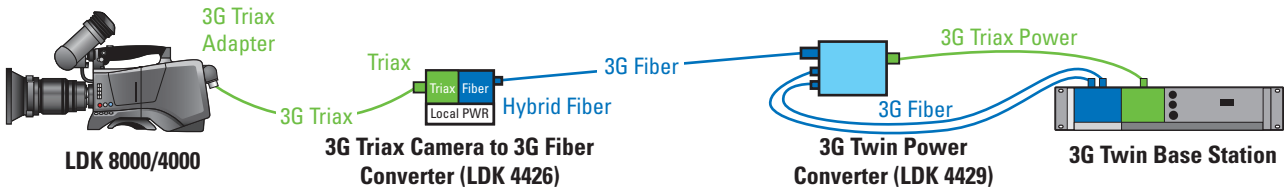
Note: When used inside 19" rack, additional cooling is mandatory.

Connections to Base Station

Single mode fiber: SC or ST
Hybrid fiber: LEMO hybrid fiber connector acc. SMPTE 304
Typical cable length fiber (base station to converter): Hybrid fiber (SMPTE 311) <3,000m (9.842 ft.) due to power consumption converter

Connections to Camera

Triax connections (converter to camera): Fischer, ARD, Lemo-4E, Lemo-3T, BBC-Lemo, Trilock
Typical triax (14 mm) cable length: 1,500m (4,921 ft.)



ORDERING INFORMATION

Please contact your authorized Grass Valley representative.

GLOBAL SERVICES



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www.grassvalley.com/support

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