

Blackmagic Design ATEM Studio and Camera Converters

Get your camera close to the action using low cost optical fiber!

Now you can position your cameras a long distance away from your switcher and get closer to the action with ATEM Camera and Studio Converters. ATEM Camera Converter is a super tough optical fiber converter with talkback, tally, microphone inputs and a built in long life battery. Using low cost optical fiber you can connect to your cameras up to 28 miles away and even at those great distances you still get full bi-directional video, audio, talkback and tally signals!



Live Camera Connections

The perfect solution for live events!

ATEM Converters are the perfect solution for live music and sporting events where you need to place cameras in remote locations such as on race tracks or near to a stage, where there is a huge distance between the live action and your switcher! Connect up to 4 ATEM Camera Converters to each ATEM Studio Converter and get multiple camera talkback, so all camera operators can communicate with the switcher operator using talkback that is embedded into channels 15 and 16 of the optical fiber SDI connection.

There are two ATEM converters for use at opposite ends of a live camera connection! ATEM Camera Converter converts your camera's SDI or HDMI output to optical fiber, with embedded external audio and talkback from the camera position. The machined aluminum design is lightweight, strong and includes an internal long life battery for increased portability. ATEM Studio Converter's rack mount design has 4 bi-directional optical fiber connections so you can connect multiple camera converters and convert the optical fiber input to SDI and de-embed audio using XLR connections.

Optical Fiber Link

Work over lengths of up to 28 miles!



ATEM converters connect using industry standard single mode optical fiber cable with standard LC connectors. Optical fiber lets you connect way beyond the distance of traditional copper cables. It's widely available, easy to use and affordable because it's the same optical fiber cable used in computer networking. ATEM Camera Converter and ATEM Studio Converter use the standard SMPTE specification for optical fiber connections using standard single mode optical fiber running at 1310nm, which allows you to connect at distances up to 28 miles!



Embed talkback into unused SDI channels

Talkback

During busy live production it's vital to be able to talk to your camera operators. ATEM Camera and Studio Converters take advantage of the 16 channel SDI audio standard and embed the talkback into rarely used channels 15 and 16. ATEM Camera Converter uses standard PC or iPhone type headsets while the ATEM Studio Converter uses more robust aviation headsets that are available in hundreds of different styles! ATEM Studio Converter also features a built in microphone input and speaker so you don't need to use a headset.



Tally is simple to use and makes it easy to see when you are on air!