ATEM Talkback Converter 4K



ATEM Talkback Converter 4K handles up to 8 cameras for SDI talkback using embedded audio channels 15 and 16 as used on the Blackmagic Studio Cameras and ATEM Camera Converter. Supports 12G-SDI for all SD, HD and Ultra HD formats up to 2160p60 and provides BNC connections to each camera, and an optical fiber socket for adding an optical fiber SFP module for extending camera distances when required. Includes push to talk buttons, support for tough and common aviation headsets, loop through for more than 8 camera support, built in speaker, front panel mic input and much more.

$2,999

Connections

SDI Program Inputs
1 x 10-bit SD/HD/Ultra HD 4K auto switching
program input from switcher, including tally information with 16 channel embedded audio.

SDI Program Outputs
1 x 10-bit SD/HD/Ultra HD 4K auto switching
program loop thru output connects to another
ATEM Talkback Converter 4K.

Talkback Audio
Aviation Headsets with 0.25" TRS headset
connector and 0.206" TRS microphone connector. Front mounted balanced XLR microphone connector.

Analog Audio
1 x stereo RCA monitoring output.

SDI Camera Inputs
8 x 10-bit SD/HD/Ultra HD 4K auto switching 16 channel
embedded audio.

SDI Camera Outputs
8 x 10-bit SD/HD/Ultra HD 4K auto switching 16 channel
embedded audio.

SDI Outputs
8 x 10-bit SD/HD/Ultra HD 4K auto switching 16 channel
embedded audio.

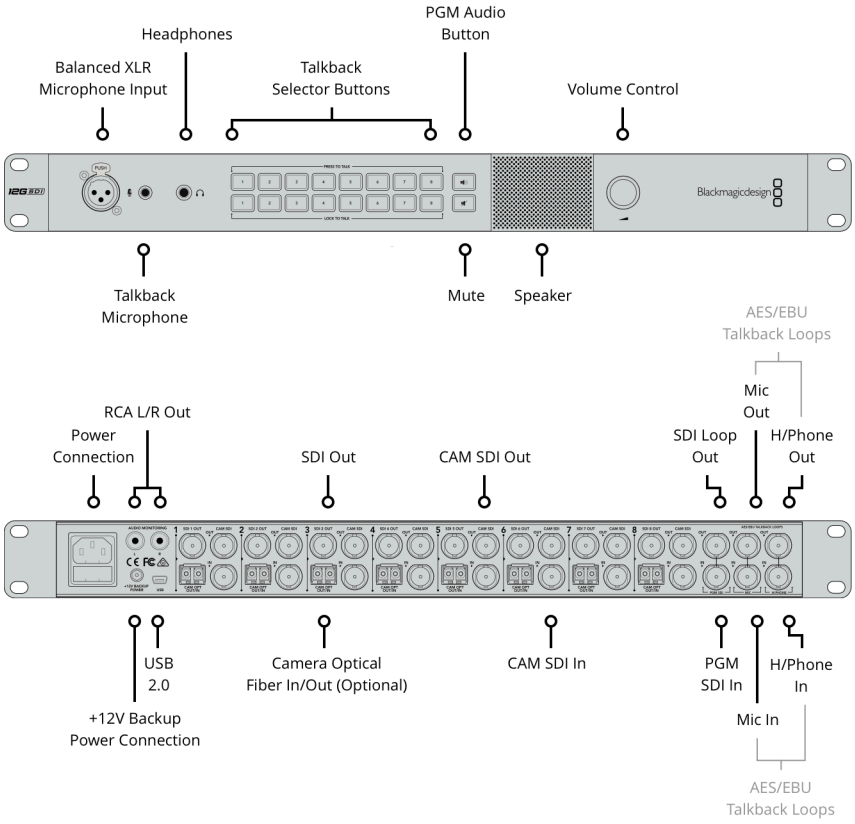
Optical Fiber Video Inputs (Optional)
8 x single mode SD/HD/Ultra HD 4K auto
switching camera inputs with
LC connector.

Optical Fiber Video Outputs (Optional)
8 x single mode SD/HD/Ultra HD 4K auto
switching camera outputs with
LC connector.

Optical Fiber Audio Inputs
8 x single mode camera audio inputs with
LC connector. Channels 1 and 2 are camera audio. Channels 15 and 16 are intercom audio.

Optical Fiber Audio Outputs
8 x single mode camera audio outputs with
LC connector. Channels 1 and 2 are camera audio. Channels 15 and 16 are intercom audio.

Computer Interface
1 x mini-B type USB connector for firmware updates.



Standards

SD Video Standards
525i59.94 NTSC, 625i50 PAL

HD Video Standards
720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60
1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60

2K Video Standards
2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p
2K DCI 23.98PsF, 2K DCI 24PsF, 2K DCI 25PsF

Ultra HD Video Standards
2160p23.98, 2160p24, 2160p25, 2160p29.97,
2160p30, 2160p50, 2160p59.94, 2160p60

4K Video Standards
4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p,
4K DCI 29.97p, 4K DCI 30p, 4K DCI 50p, 4K DCI 60p

SDI Compliance
SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M Level B, SMPTE 425M.

Audio Sampling
Television standard sample rate of 48Khz,
24-bit A/D conversion.

Video Sampling
4:2:2, 4:4:4

Color Precision
10-bit

Color Space
REC 601, REC 709.

Multiple Rate Support
SDI switches between SD, HD and Ultra HD 4K.

Software

Internal Software Upgrade
Via included updater application.

Operating Systems



Mac 10.11 El Capitan,
Mac 10.12 Sierra or later.

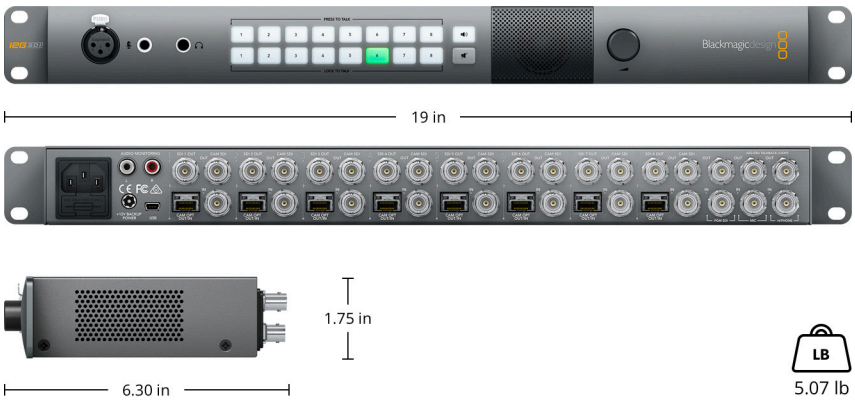
Windows 8.1 and 10.

Power Requirements

Power Supply
100 - 240V AC input with redundant
12 - 31V DC input.

Power Usage
60 Watts

Physical Specifications



Physical Installation

Physical Installation
1 rack unit size. Less than 6 inches deep.

Environmental Specifications

Operating temperature
0° to 40° C (32° to 104° F)

Storage temperature
-20° to 45° C (-4° to 113° F)

Relative Humidity
0% to 90% non-condensing

What's Included

ATEM Talkback Converter 4K
Welcome wallet with QR code for software download

Warranty

Product Warranty
1 Year Limited Manufacturer's Warranty.

Repair policy
Excluding connectors, cables, cooling fans, fiber optic modules, fuses and keyboards which will be free from defects in materials and workmanship for a period of 12 months from the date of purchase.

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