

Connections

SDI Video Input : 1 x 10 bit SD/HD switchable program input from switcher, including tally information.

SDI Video Output : 4 x 10 bit SD/HD switchable camera outputs. 1 x 10 bit SD/HD switchable program loop thru output connects to another ATEM Studio Switcher.

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.

AES/EBU Audio Input : 1 x combined headphone input. 1 x combined microphone input. Combined inputs for connecting to other ATEM Studio Converters.

AES/EBU Audio Output : 1 x combined headphone output. 1 x combined microphone output. Combined outputs for connecting to other ATEM Studio Converters.

Balanced XLR Audio Output : 4 x camera stereo analog audio outputs.

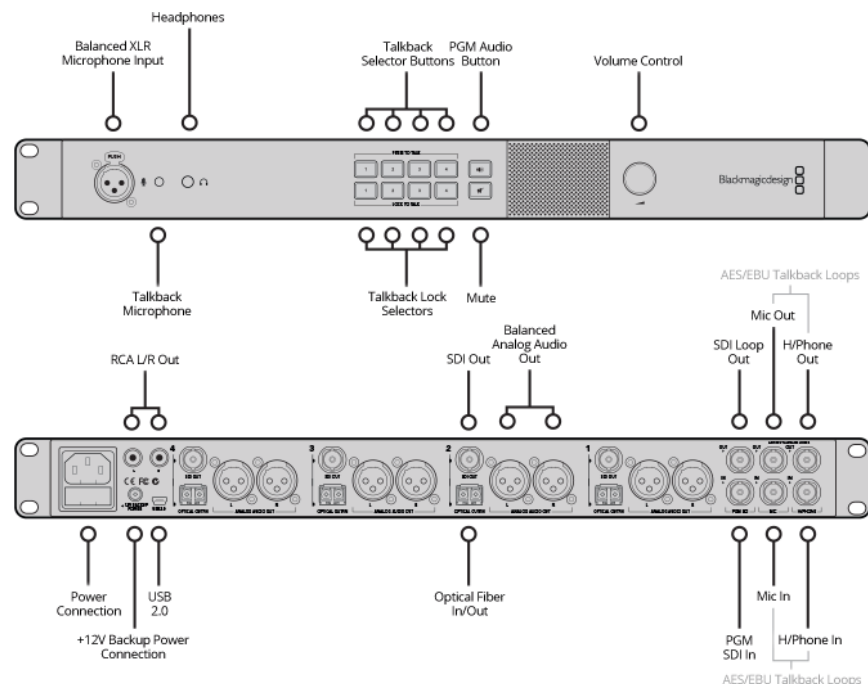
Optical Fiber Video Input : 4 x single mode SD/HD switchable camera inputs with LC connector.

Optical Fiber Video Output : 4 x single mode SD/HD switchable camera outputs with LC connector.

Optical Fiber Audio Input : 4 x single mode camera audio inputs with LC connector. Channels 1 & 2 are camera audio. Channels 15 & 16 are intercom audio.

Optical Fiber Audio Output : 4 x single mode camera audio outputs with LC connector. Channels 1 & 2 are camera audio. Channels 15 & 16 are intercom audio.

Computer Interface : 1 x mini-B type USB 2.0 connector for firmware updates.



Standards

SDI Format Support : 525i59.94, 625i50, 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.

SDI Compliance : SMPTE 259M, SMPTE 292M.

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

Video Sampling : 4:2:2

Color Precision : 10-bit

Color Space : REC 601, REC 709.

Multiple Rate support : SDI switches between SD and HD.

Software

Software Included : Converter Utility for firmware update.

Operating Systems : Mac OS X 10.7 Lion or later, and Mac OS X 10.8 Mountain Lion or later. Windows 7 or Windows 8.

Power Requirements

Power Supply : 110 - 240 V AC input with redundant 12-31V DC input.

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

Warranty : 12 Months Limited Manufacturer's Warranty.