**Blackmagicdesign**

# ATEM Television Studio Pro 4K

ATEM Television Studio Pro 4K features 8 independent 12G-SDI inputs, for working in all popular HD and Ultra HD formats up to 2160p60. Each input features re-sync as well as a full low latency standards converter, which means the input is automatically adapted to the switchers format. You can even have 8 inputs, all running different video formats! The upgraded Fairlight audio mixer features dynamics, 6 band parametric EQ, dual mono channel split and stereo simulator with audio delay on the analog inputs. ATEM Television Studio Pro 4K also features the ATEM Advanced Chroma Key, Ultra HD multi-view and motion clips in the media pool.

**$2,995**

## Connections

**Total Video Inputs**
8

**Total Outputs**
12

**Total Aux Outputs**
1

**SDI Rates**
1.5G, 3G, 6G, 12G.

**Total Audio Inputs**
2 x XLR. 1 x Microphone.

**Total Audio Outputs**
1 x Headphone.

**SDI Video Inputs**
8 x 10-bit HD/UHD switchable. 2 channel embedded audio.

**HDMI Video Inputs**
None

**Reference Inputs**
Tri-Sync or Black Burst.

**Video Input Re-Sync**
On all 8 inputs.

**Frame rate and format convertors**
On all 8 inputs.

**SDI Program Outputs**
9 x 10-bit HD/UHD switchable.

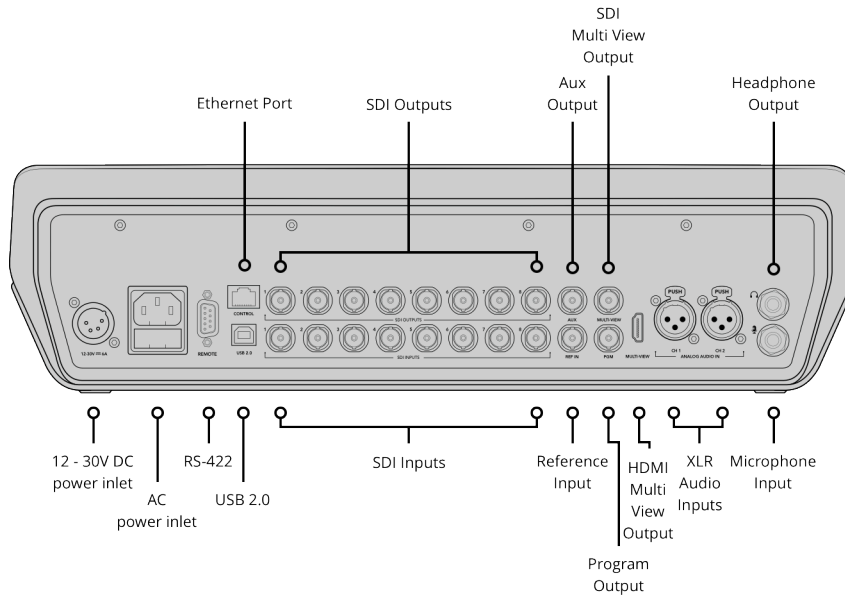**SDI Audio Outputs**
2 Ch embedded into SDI output.

**Total Multi Views**
1

**SDI Multi View Outputs**
1

**HDMI Multi View Outputs**
1

## Standards

**SD Video Standards**
None

**HD Video Standards**
720p50, 720p59.94
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p50, 1080p59.94
1080i50, 1080i59.94

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

**SDI Compliance**
292M and 424M, 2081, 2082.

**Video Sampling**
4:2:2 10-bit

**Color Precision**
4:2:2 10-bit

**Color Space**
4:2:2 YUV

**Input Resolutions for Computers**
720p50, 720p59.94
1080p23.98, 1080p24, 1080p25,
1080p29.97,1080p30, 1080p50,
1080p59.94, 1080p60
1080i50, 1080i59.94, 2160p23.98,
2160p24, 2160p25, 2160p29.97,
2160p30, 2160p50,
2160p59.94, 2160p60.

**Colorspace Conversion**
None

**Processing Delay**
6 Lines.

**Audio Mixer**
12 input x 2 channel mixer.
Selectable On/Off/Audio-Follow-Video
per channel plus separate gain
control per channel.
Level and Peak metering. Plus new
Fairlight audio enhancements:
Compressor, Gate, Limiter, 6 bands of
parametric EQ. Delay line and Stereo
Synthesizer on the XLR inputs only.
Master gain control. Headphone
output level control with separate
mix of Program, Talkback
and Sidetone.

## Product Specifics

**Upstream Keyers**
1 with Chroma/Linear/Luma key.

**Downstream Keyers**
2

**Chroma Keyers**
1

**Linear/Luma Keyers**
3

**Talkback Support**
Built in, uses aviation headset.

**Mix Minus Support**
Yes, on 8 camera PGM outputs.

**Transition Keyer (Stinger/DVE)**
Stinger and DVE.

**Total Number of Layers**
5

**Pattern Generators**
2

**Color Generators**
2

**DVE with 3D Borders & Drop Shadow**
1

**Interface**
Minimum monitor resolution of 1366 x 768.

**Number of Windows**
1 x 10

**Routable Windows**
8 routable and 2 fixed for Program and Preview.

**Tally**
Red for program and green for preview indication.

**Tally Output**
Embedded via SDI. Added via ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included)

**Windows Source Labels**
Yes.

## Multi View Monitoring

**Multi View Monitoring**
1 x 10 Views.

**Multi View Video Standard**
HD/Ultra HD.

## Media Player

**Media Players**
2, with non volatile flash memory.

**Media Pool Still Image Capacity**
20 with fill and key.

**Media Pool Still Image Format**
PNG, TGA, BMP, GIF, JPEG and TIFF.

**Channels**
Fill and key for each Media Player.

**Media Pool Clip Capacity**
2 with fill and key. Shared pool.

**Media Pool Clip File Format**
TGA Sequence.

**Media Player Clip Length in 720 HD**
1440 frames.

**Media Player Clip Length in 1080 HD**
360 frames.

**Media Player Clip Length in Ultra HD**
90 frames.

**Media Pool Audio File Format**
WAV, MP3 and AIFF.

## Control

**Control Panel**
Built in with camera control. Software panel included. Supports optional broadcast panel.

**Control Panel Compatibilty**
Compatible with ATEM 1 M/E Advanced Panel, ATEM 2 M/E Advanced Panel and ATEM 4 M/E Advanced Panel. Includes ATEM Software Control Panel.

**Control Panel Included**
ATEM Software Control Panel included free for Mac 10.12 Sierra or Mac 10.13 High Sierra or later and Windows 8.1 64-bit or Windows 10 64-bit.

## Software

**Software Updates**
Using USB connection directly connected to Mac or Windows computers. Includes ATEM Setup Utility.

**Configuration**
Set via ATEM Software Control Panel, excluding ATEM chassis IP address which is set via the ATEM Setup Utility connected via USB to chassis.

## Operating Systems

Mac 10.14 Mojave,
Mac 10.15 Catalina or later.

Windows 8.1 and 10.

## Power Requirements

**Power Supply**
1 x Internal 100 - 240V AC. 4 pin
12V DC.

**Power Usage**
70W

## Physical Specifications

11.89 in

16.65 in

## Environmental Specifications

**Operating Temperature:**
5°C to 40°C

**Storage Temperature:**
-20° to 60°C (-4° to 140°F)

**Relative Humidity:**
0% to 90% non-condensing

## What's Included

ATEM Television Studio Pro 4K

SD card with software and manual

## Warranty

12 Months Limited
Manufacturer's Warranty.

**Repair policy**

Warranty details can be found in the
ATEM Switchers Operation Manual in
the support page
at www.blackmagicdesign.com.

Blackmagic Design Authorized Reseller