

# ATEM PRODUCTION STUDIO 4K



ATEM Production Studio 4K lets you connect up to 8 SD, HD or Ultra HD 4K video cameras, disk recorders and computers to do true broadcast quality work. You get all the features you expect from a professional switcher including chroma key, transitions, media pool, downstream keyers, audio mixer, multi view and the world's first 6G-SDI and HDMI 4K video connections.

**Cena:**

**Kategorie:** [Video](#), [Produkcja](#), [Miksery wizyjne](#), [Broadcast](#), [Miksery wizyjne](#)



## OPIS

## **Connections**

### **Total Video Inputs**

8

### **Total Video Outputs**

6

### **SDI Rates**

270Mb, 1.5G, 3G, 6G.

### **Total Audio Inputs**

2 x XLR. 2 x RCA.

### **Total Audio Outputs**

2 x XLR Program.

### **Timecode Connection**

None

### **SDI Video Inputs**

4 x 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

### **HDMI Video Inputs**

4 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable. 2 channel embedded audio.

### **SDI Audio Outputs**

2 channel embedded into SDI output.

### **Reference Input**

Tri-Sync or Black Burst.

### **Video Input Re-Sync**

On all 8 inputs.

### **SDI Program Outputs**

1 x 10-bit SD/HD/Ultra HD 4K switchable.

### **HDMI Program Outputs**

1 x HDMI type A, 10-bit SD/HD/Ultra HD 4K switchable.

### **Down Converted SDI Program Outputs**

1 x 10-bit HD (Ultra HD 4K to HD).

### **SDI Aux. Output**

1

### **Total Multi Views**

1

### **SDI Multi View Outputs**

1

## **HDMI Multi View Outputs**

1

## **Control Panel Connection**

Ethernet supports 10/100/1000 BaseT. Allows direct connection between panel and chassis, or via network.

## **Standards**

### **SD Video Standards**

525i59.94 NTSC, 625i50 PAL

### **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

### **SDI Compliance**

SMPTE 259M, SMPTE 292M, SMPTE 424M.

### **Video Sampling**

4:2:2

### **Color Precision**

10-bit

## **Color Space**

REC 601, REC 709

## **HDMI Input Resolutions for Computers**

720 x 480i 59.97Hz, 720 x 576i 50Hz, 1280 x 720 59.94Hz, 1280 x 720 50Hz and 1920 x 1080 59.94Hz, 1920 x 1080 50Hz, 3840 x 2160 23.98Hz, 3840 x 2160 24Hz, 3840 x 2160 25Hz, 3840 x 2160 29.97Hz.

## **Colorspace Conversion**

Hardware based real time.

## **Processing Delay**

1 Line.

## **Audio Mixer**

10 input x 2 channel mixer. Selectable On/Off/Audio-Follow-Video. Level and Peak metering. Master gain control. Analog outputs may be used for separate monitoring.

## **4K to HD Down Conversion**

Yes, program x 1.

## **Product Specifics**

### **Upstream Keyers**

1 with Chroma/Linear/Luma key.

### **Downstream Keyers**

2

**Chroma Keyers**

1

**Talkback Support**

None

**Mix Minus Support**

None

**Linear/Luma Keyers**

3

**Transition Keyer (Stinger/DVE)**

None

**Total Number of Layers**

4

**Pattern Generators**

3

**Color Generators**

2

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

None

## **Display interface**

Minimum monitor resolution of 1366 x 768.

## **Number of Windows**

1 x 10

## **Routable Windows**

8

## **Tally**

Red for program and green for preview indication.

## **Windows Source Labels**

Yes

## **Control Panel**

Software or optional hardware panel.

## **Media Player**

### **Media Players**

2

### **Media Pool Still Image Capacity**

20 with fill and key.

**Media Pool Clip Capacity**

None

**Media Player Clip Length in 720 HD**

None

**Media Player Clip Length in 1080 HD**

None

**Media Player Clip Length in Ultra HD**

None

**Media Pool Still Image Format**

PNG, TGA, BMP, GIF, JPEG and TIFF.

**Media Pool Video File Format**

None.

**Media Pool Audio File Format**

None.

**Channels**

Fill and key for each Media Player.

**Multi View Monitoring****Multi View Monitoring**

1 x 10 Views.



## **Multi View Video Standard**

HD.

## **Display**

### **Interface**

Minimum monitor resolution of 1366 x 768.

### **Front Panel**

Built in LCD monitor for video and 42 LED buttons for Aux switching.

## **Software**

### **Control Panel Included**

ATEM Software Control Panel included free for Mac 10.10 Yosemite, Mac 10.11 El Capitan or later and Windows 8.1 64-bit or Windows 10 64-bit.

### **Tally Output**

Added via Ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)

### **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.

### **Power Usage**

60W

## **Physical Specifications**

## **Environmental Specifications**

### **Operating Temperature**

0° to 40° C (32° to 104° F)

### **Storage Temperature**

-20° to 60° C (-4° to 140° F)

### **Relative Humidity**

0% to 95% non-condensing

## **What's Included**

ATEM Production Studio 4K

SD card with software and manual

## **Warranty**

12 Month 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](http://www.blackmagicdesign.com)