

## ATEM 4 M/E BROADCAST STUDIO 4K



Get one of the world's most compact and advanced switchers with the new ATEM 4 M/E Broadcast Studio 4K. You get an incredibly high performance live production switcher designed to work with the latest formats and high frame rates, all the way up to Ultra HD 2160p59.94! You get 16 next generation ATEM Advanced Chroma Keyers with 4 per M/E, perfect for advanced work and virtual sets. As the most advanced ATEM switcher, this model also includes the latest technology and features such as 2 Ultra HD multi viewers, full 2D DVE, built in SuperSource compositing engine with 4 picture in picture DVE's, full re-synchronization on each 12G-SDI input and much more! The multi rate 12G-SDI connections automatically switch between all HD and Ultra HD formats up to 2160p59.94 with a single BNC cable! Even if you're not working in Ultra HD now, the ATEM 4 M/E Broadcast Studio 4K has all the power and features for the highest end live production work, while being Ultra HD ready the instant you need it!

**Cena:**

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



## OPIS

### Connections

#### Total Video Inputs

20

#### Total Video Outputs

13

#### Total Aux Outputs

6

#### SDI Rates

1.5G, 3G, 6G, 12G

#### Total Audio Inputs

2 x XLR. 2 x RCA.

**Total Audio Outputs**

2 x XLR Program 2 x XLR Monitor.

**Timecode Connections**

1 x XLR Timecode in and 1 x XLR Timecode out.

**Reference Input**

Tri-Sync or Black Burst.

**Video Input Re-sync**

On all 20 inputs.

**SDI Video Inputs**

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

**Extra Audio Outputs**

1 x XLR Timecode and 1 x XLR Talkback.

**SDI Audio Outputs**

2 Ch embedded into SDI output on all outputs.

**Extra Audio Inputs**

1 x XLR Timecode and 1 x XLR Talkback.

**SDI Program Outputs**

3 x 10-bit HD/Ultra HD 4K switchable.

### **Down Converted SDI Program Output**

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

### **SDI Preview Outputs**

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

### **Total Multi Views**

2

### **SDI Multi View Outputs**

2

### **Control Panel Connection**

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

### **Tally Output**

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

### **Computer Interface**

1 x USB 2.0 port.

### **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**

SMPTE 292M, SMPTE 424M, SMPTE 2082.

## **Video Sampling**

4:2:2

## **Color Precision**

10-bit.

## **Color Space**

REC 601, REC 709, REC 2020.

## **Product Specifics**

### **Upstream Keyers**

16 with Chroma/Linear/Luma key.

### **Downstream Keyers**

2

**Chroma Keyers**

16

**Talkback Support**

None

**Mix Minus Support**

None

**Linear/Luma Keyers**

19

**Transition Keyer (Stinger/DVE)**

1 Stinger, 1DVE .

**Total Number of Layers**

26

**Pattern Generators**

19

**Color Generators**

2

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

1

## **Control Panel**

Software or optional hardware panel.

## **Routable Windows**

16

## **Tally**

Red for program and green for preview indication.

## **Windows Source Labels**

Yes

## **Multi View Monitoring**

### **Multi View Monitoring**

2 x 10 Views for 20 total views.

### **Multi View Video Standard**

Select HD or Ultra HD.

## **Media Player**

### **Media Players**

4

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

64 with fill and key.

**Media Pool Clip Capacity**

2 with fill and key.

**Media Player Clip Length in 720 HD**

3200 frames.

**Media Player Clip Length in 1080 HD**

1440 frames.

**Media Player Clip Length in Ultra HD**

360 frames.

**Media Pool Still Image Format**

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

**Media Pool Video File Format**

TGA Sequence.

**Media Pool Audio File Format**

WAV, MP3 and AIFF.

**Display****Interface**

Minimum monitor resolution of 1366 x 768.

**Front panel**

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



## Processing

### Processing Delay

< 7 Lines

### Audio Mixer

24 input x 2 channel mixer.

Selectable On/Off/Audio-Follow-Video.

Level and Peak metering.

Master gain control.

Dedicated analog outputs for monitoring.

### 4K to HD Down Conversion

Yes, program x 1.

## Software

### Control Panel Included

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

### Software Updates

Using USB 2.0 connection directly connected to Mac OS 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**

2 x Internal 100 - 240 AC.

### **Power Usage**

300W

## **Physical Specifications**

### **Physical Installation**

#### **Physical Installation**

2 Rack Unit Size.

## **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 90% non-condensing

## **What's Included**

ATEM 4 M/E Broadcast Studio 4K

SD card with software and manual

## **Warranty**

12 Month Limited Manufacturer's Warranty.