

# Blackmagic Design BMD-SWATEMMINIBPR ATEM Mini Pro

## Standards

### HD Video Input Standards

- 720p50, 720p59.94, 720p60
- 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60
- 1080i50, 1080i59.94, 1080i60

### HD Video Output Standards

- 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60

### Video Streaming Standards

- 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60

### Ultra HD Video Standards

- None

### Video Sampling

- 4:2:2 YUV

### Color Precision

- 10-bit

### Color Space

- Rec 709

### HDMI Input Resolutions from Computers

- 1280 x 720p 50Hz, 59.94Hz and 60Hz
- 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94 and 60Hz
- 1920 x 1080i 50, 59.94Hz and 60Hz

### Colorspace Conversion

- Hardware based real time.

### Product Specifics

#### Upstream Keyers

- 1

#### Downstream Keyers

- 1

#### Advanced Chroma Keyers

- 1

#### Linear/Luma Keyers

- 2

#### Transition Keyer

- DVE only.

#### Total Number of Layers

- 5

#### Pattern Generators

- 1

#### Color Generators

- 2

#### DVE with Borders and Drop Shadow

- 1

## **Interface**

- Minimum monitor resolution of 1366 x 768.

## **Audio**

### **Audio Mixer**

- 6 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. Master gain control.

### **Analog Input**

- Unbalanced stereo

### **Analog Input Delay**

- Up to 8 frames

### **Input Impedance**

- 1.8k

### **Max Input Level**

- +6dBV

### **Mic Plug In Power**

- Available on both 3.5mm mini jack connections.

## **Streaming**

### **Direct Streaming**

- ATEM Mini Pro supports direct live streaming using Real Time Messaging Protocol (RTMP) over ethernet or a shared mobile internet connection over USB-C.

## **Recording**

### **Direct Recording**

- 1 x USB-C 3.1 Gen 1 expansion port for external media to direct record a .mp4 H.264 with AAC audio at the ATEM video standard.

### **Media Format**

- Supports media formatted ExFAT (Windows/Mac) or HFS+ (Mac) file system.

### **Multi View Monitoring**

- 1 x 10 Views including left right configurable Program/Preview, 4 HDMI inputs, Media Player, Streaming Status, Recording Status and Audio Meters.

### **Multi View Video Standard**

- HD

### **Media Player**

- 1

### **Channels**

- Fill and key for each Media Player.

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

- 20 with fill and key.

### **Media Pool Still Image Format**

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

## **Control**

### **Control Panel**

- Built in control panel. Software control panel with camera control included. Supports optional hardware panel.

### **Control Panel Connection**

- Ethernet supports 10/100/1000 BaseT. Ethernet used for direct connection between panel and chassis or via network. ATEM Mini Pro also supports direct USB-C connection. Ethernet or USB-C used for updating the software.

### **Control Panel Compatibility**

- Includes ATEM Software Control Panel. Also compatible with ATEM 1 M/E Advanced Panel and ATEM 2 M/E Broadcast Panel.

### **Control Panel Included**

- ATEM Software Control Panel included free for Mac 10.14 Mojave, Mac 10.15 Catalina or later and Windows 10 64 bit only.

### **Software**

#### **Software Updates**

- Using USB or Ethernet connection directly connected to Mac OS X or Windows computers. Includes ATEM Switcher Utility.

#### **Configuration**

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

#### **Operating Systems**

- Mac 10.14 Mojave,
- Mac 10.15 Catalina or later.
- Windows 10, 64-bit.

#### **Power Requirements**

##### **Power Supply**

- 1 x External 12V power supply.

##### **Power Usage**

- 30W

#### **Environmental Specifications**

##### **Operating Temperature**

- 5° C to 40° C (41° - 104° F)

##### **Storage Temperature**

- -10° to 60° C (14° to 140° F)

##### **Relative Humidity**

- 0% to 90% non-condensing