

# Blackmagic Design BMD-SWATEMMXEP ATEM SDI Switcher

## 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

### 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.

**Media Player**

**Media Players**

- 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 included. Supports optional hardware panel.

**Control Panel Connection**

Ethernet supports 10/100 BaseT. Allows direct connection between panel and chassis, or via network. Also used for updating the software. ATEM SDI supports direct USB-C connection.

**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 11.0 Big Sur, Mac 12.0 Monterey or later and Windows 10 or 11.

**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 11.0 Big Sur,

- Mac 12.0 Monterey or later.
- Windows 10 and 11.

**Power Requirements**

**Power Supply**

- 1 x External 12V power supply.

**Power Usage**

- 18W

**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