

# ATEM Monitoring Rack Panel 20



The ATEM Monitoring Rack Panel 20 is a video converter built into a 1RU rack-mount ATEM switcher control panel! It features 20 buttons for controlling a local ATEM switcher, plus a front panel talkback connection. The video converter has two redundant SMPTE-2110 10G Ethernet connections, which are converted to 2 x 12G-SDI outputs and an HDMI output. Video is also displayed on the converter's built-in LCD screen. Simply mount it in a rack and use it when setting up or monitoring a job!

**\$1,095**

## Connections

### 10G 2110 IP Networks

2 x 10G RJ45 connections.  
Supports ST 2022-7 redundant delivery of IP streams over two 2110 networks.

### 10G Control Network

1 x 1G RJ45 for connection to switcher and NMOS control.

### Total Video Inputs

1

### Total Video Outputs

3

### SDI Video Outputs

2

### SDI Rates

1.5G, 3G, 6G, 12G.

### HDMI 2.0 Video Inputs

1

### SMPTE ST 2110 IP Audio Inputs

16 Ch embedded audio on each 2110 IP video stream over 10G Ethernet.

### SMPTE ST 2110 IP Audio Outputs

16 Ch embedded audio on each 2110 IP video stream over 10G Ethernet.

### SDI Audio Outputs

16 Ch embedded audio on all SDI outputs.

### HDMI Audio Outputs

8 Ch embedded audio on HDMI output.

### Talkback

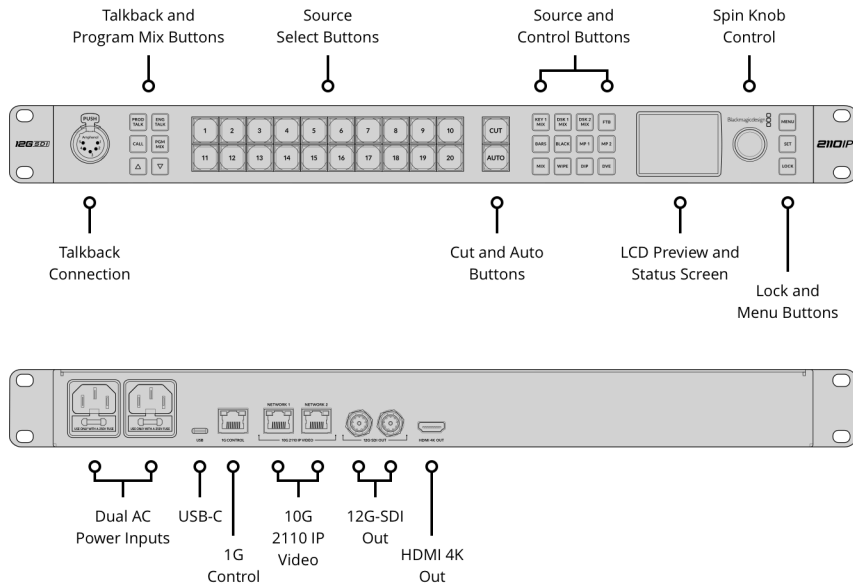
1 x 5-pin XLR Talkback.

### Computer Interface

1 x USB-C for setup utility and software updates.

### Power

2 x IEC C14 power inputs.



## Standards

### HD Video Standards

720p50, 720p59.94, 720p60  
 1080i50, 1080i59.94, 1080i60  
 1080p23.98, 1080p24, 1080p25,  
 1080p29.97, 1080p30, 1080p47.95,  
 1080p48, 1080p50, 1080p59.94,  
 1080p60

### Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,  
 2160p29.97, 2160p30, 2160p50,  
 2160p59.94, 2160p60.

### SMPTE Compliance

SMPTE 2110-20, SMPTE 2110-21,  
 SMPTE 2110-30, SMPTE 2110-40,  
 SMPTE 2022-7

### Video Sampling

4:2:2

### Color Precision

10-bit.

### SDI Color Space

Rec. 709, Rec. 2020

## IP Video Compliance

### SMPTE 2110-20 (Uncompressed Video)

IGMP v2

### SMPTE 2110-21 (Traffic Shaping)

Sender: Narrow  
 Receiver: Narrow, Wide Synchronous,  
 Asynchronous

### SMPTE 2110-30 (PCM)

Audio Conformance level: Level C

### SMPTE 2110-40 (Ancillary Data)

Full access to entire SMPTE ancillary data stream. Includes RP 188/SMPTE 12M-2, closed captioning and HDR static metadata.

### Codec

Blackmagic IP10 codec optional for 2160p59.94 and 2160p60 as 2110 IP video.

### Precision Time Protocol

IEEE 1588-2008 (PTP v2)  
 ST 2059-1  
 ST 2059-2

### NMOS IS-04 Discovery and Registration

v1.3.2  
 Peer-to-peer via mDNS/DNS-SD

### NMOS IS-05 Connection Management

v1.1.2

### NMOS BCP-002-01

Natural Grouping

### NMOS BCP-004-01

Receiver capabilities

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## Product Specifics

### Talkback Support

Yes

### Control

Front panel emergency switching, software or optional hardware panel.

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## Display

### Front panel

Built in HD LCD monitor for video, 22 LED buttons for setup and emergency switching, 8 source buttons, 4 transition buttons, 6 talkback selection and mix buttons, menu control knob and set button, front panel lock button.

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## Software

### Control Panel Included

ATEM Software Control Panel included free for macOS 14.0 Sonoma, macOS 15.0 Sequoia or later and Windows 10 and 11.

### Software Updates

Using USB or Ethernet 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-C to chassis.

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## Operating Systems



Mac 15.0 Sequoia,  
Mac 26.0 Tahoe or later.



Windows 10 and 11.  
Windows 11 for ARM

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## Power Requirements

### Power Supply

2 x 100 - 240V AC 50/60Hz internal power supplies.

### Power Supply

2 x IEC C14 sockets.

### Power Usage

TBC

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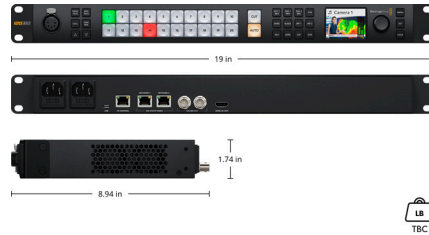
## Physical Installation

### Physical Installation

1 rack unit.

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## 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 90% non-condensing

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## What's Included

ATEM Monitoring Rack Panel 20

Welcome wallet with QR code for software download

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## Warranty

1 Year Limited Manufacturer's Warranty.

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