

# ATEM Television Studio

Affordable professional switcher with a broadcast quality H.264 encoder!



## Broadcast H.264 files live with ATEM Television Studio!

Introducing the world's first live production switcher that combines a professional switcher with a broadcast quality H.264 encoder! That means you get live multi-camera production and broadcast encoding for the Internet all in one unit! ATEM Television Studio is so easy to use you don't even need to be a video professional to use it! Just plug in any HDMI or SDI camera and you are live! You can even use low cost consumer HDMI HD cameras! Only \$995

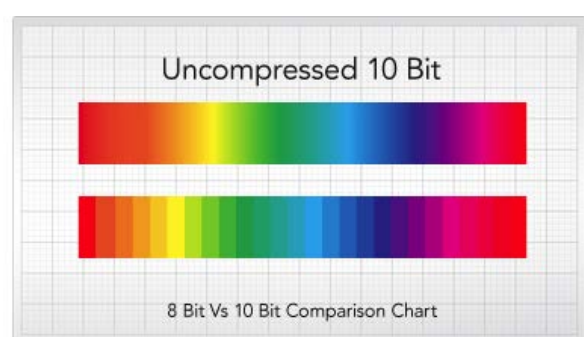


## Internet Broadcasting!

With the Internet becoming the television transmitter for all of us, now ATEM Television Studio lets you do live production and simultaneously generate H.264 files for the web, all in real time. The moment your event is finished, your encoded file is ready for distribution! Imagine covering events that previously could never justify the cost of a professional multi-camera production, such as local government meetings, school productions, local sports, car racing, concerts, weddings, bands, communities, air shows and many more!

## Built to Perform

ATEM Television Studio might be small, but it's packed with professional power! ATEM includes all the same features as the most powerful switchers used in broadcast, and is not "dumbed down." This means you get professional results, and a familiar M/E style of operation. ATEM is affordably priced because you can get started with only the switcher chassis and a software based control panel! Then when it's time to add dedicated hardware control, you get only the best because ATEM uses premium quality switches, faders and joysticks that are normally only found on the most expensive switchers available. ATEM even uses an FAA certified operating system for a true broadcast grade switcher!



## Premium Quality

For the highest quality video with extremely low processing delay, ATEM features a fully 10 bit digital design. This means you get the highest quality available from cameras, servers and character generators with true 10 bit video quality maintained throughout the entire signal path. Get better chroma keying and seamless layering from HDMI and SDI sources, so all your video maintains that pristine broadcast quality look!

## Creative Power

ATEM is the most creative solution for live switching! All transitions are instantly available and include the same cut, mix and wipe found on traditional mixers! It's simple to load graphics into the 2 built in media player frame-stores for exciting custom titles and logos! If you're doing green screen shoots, then the ATEM keyer includes full chroma keying! Imagine loading a rendered background and using the chroma keyer for an affordable virtual set! ATEM Television Studio also includes 2 downstream keyers so you can add graphics such as "live" and "replay"! You get professional results with ATEM!



## Incredible Features

You simply get more features with ATEM! You get an upstream keyer, with chroma, pattern, shaped and linear keying. You also get 2 downstream keyers and independent fade to black. This powerful feature set means you can produce true professional broadcast style live productions! When you're on the move, the built in multi view monitoring totally eliminates monitoring costs! Nothing beats ATEM for creative features, quality and affordability!





### Software Control Panel

For the ultimate in portability, every ATEM switcher includes a beautifully designed software control panel so you can use your switcher from your Mac or PC laptop! Only ATEM lets you start at a lower cost because you are not forced to buy a control panel!  
[Read more >](#)



### Built in H.264 Encoding!

The Internet is becoming the television transmitter for all of us, and ATEM Television Studio is more than a live production switcher, it's also an encoder! You get production as well as distribution technology all packed into an incredibly portable 1 rack unit size!  
[Read more >](#)



### More Connections

ATEM Television Studio is a professional broadcast SDI switcher that also includes loads of HDMI connections so you can start affordably with consumer HDMI cameras. Unlike other switchers, every single video input features an automatic frame re-synchronizer, so you can plug in any device and it always works! [Read more >](#)

## Multi View Monitoring

Now you can save thousands of dollars on camera monitoring with ATEM's built in multi view. Multi view allows 10 channels of video to be displayed on a single HDMI television or monitor. You can also customize labels and set safe area markers on the preview display. Multi view includes tally, so on-air sources have red borders and preview sources have green borders. ATEM multi view is as simple to use as connecting a single HDMI monitor, so you get the perfect portable solution!



## Everything you need for live production!

Live production demands error free operation and the features you need for incredible production values. ATEM Television Studio includes powerful creative tools such as upstream keyer, graphic frame-stores, Photoshop® CC plug in, preview transition and more! With ATEM Television Studio you get the features you need for an incredible live production that will amaze your audience!



### Built in Multi View

Now you can save thousands of dollars on costly camera monitoring with ATEM's built in multi view. Multi view allows 10 channels of video to be displayed on a single HDMI television or monitor. You can also customize labels and set safe area markers on the preview display. Multi view includes tally, so on-air sources have red borders and preview sources have green borders. ATEM multi view is as simple to use as connecting a single HDMI monitor, so you get the perfect portable solution!

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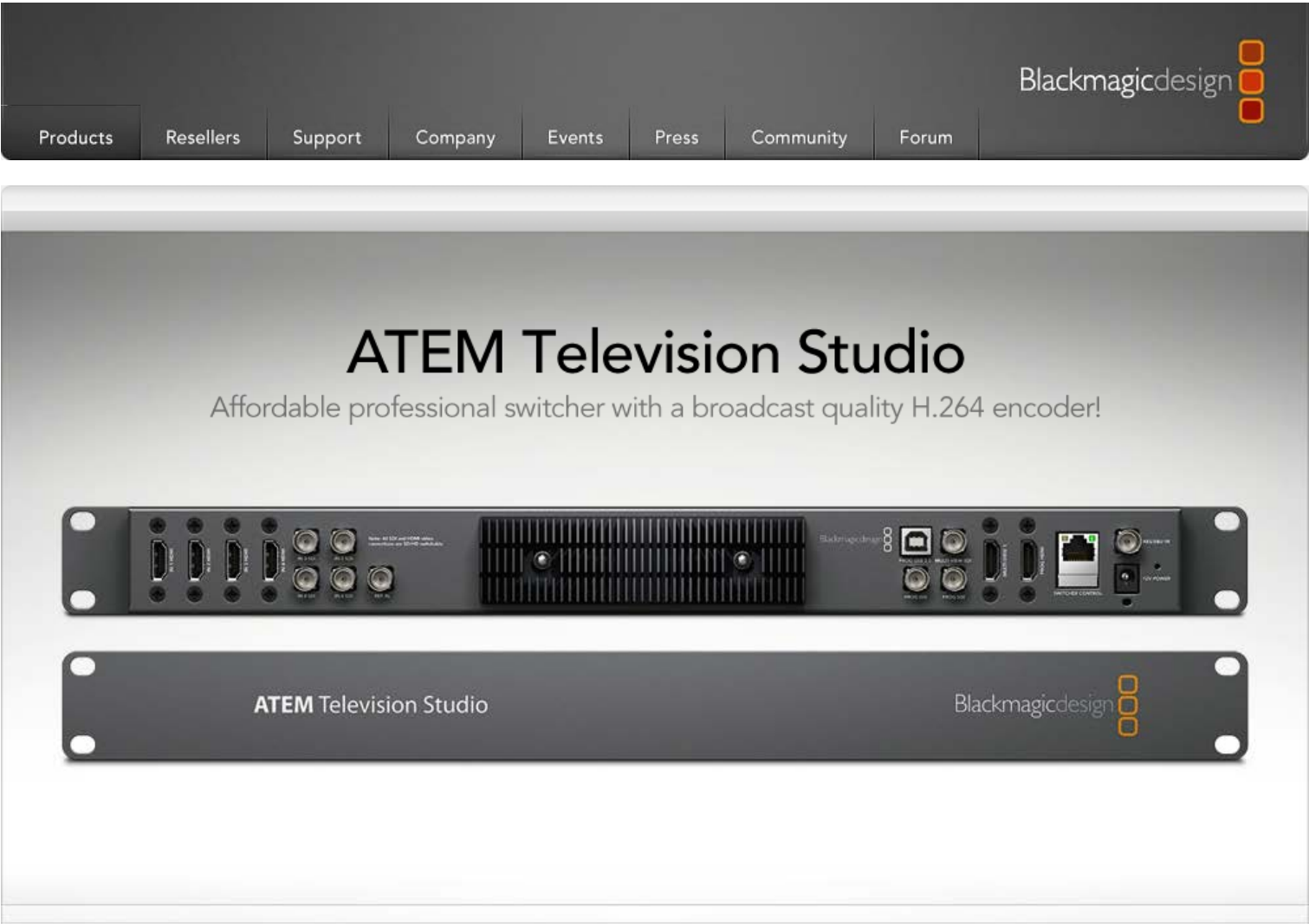
ATEM Television Studio is a professional broadcast SDI switcher that also includes loads of HDMI connections, so you can start affordably with consumer HDMI cameras. Unlike other switchers, every single video input features an automatic frame re-synchronizer, so you can plug in any device and it always works! That means you can save thousands because you don't need expensive genlock cameras, and you can even plug in computers! Imagine getting started with incredible multi camera production using the latest low cost and high quality HD consumer cameras! ATEM Television Studio includes SDI and HDMI program outputs, and you can connect the USB 2.0 port to any computer to live record your program feed directly to high quality H.264 files for the web! ATEM Television Studio includes built in black, bars, media player and color generator sources. The ATEM Television Studio includes both SDI and HDMI multi view outputs!



### Built in H.264 Encoding!

The Internet is becoming the television transmitter for all of us, and ATEM Television Studio is more than a live production switcher, it's also an encoder! You get production as well as distribution technology all packed into an incredibly portable 1 rack unit size! ATEM Television Studio lets you connect to any computer for live capture to H.264 master files in full HD resolution! H.264 has become the standard for video on the Internet, as well as iPhones, iPad and Apple TV. ATEM Television Studio includes Media Express software, so you have everything you need to capture the highest quality files.





## Take a closer look at ATEM Live Production

For the ultimate in portability, every ATEM production switcher includes a beautifully designed software control panel, so you can use your switcher from your Mac or PC laptop! Only ATEM lets you start at a lower cost because you are not forced to buy a control panel! When you're ready to move up to a hardware control panel, then the ATEM 1 M/E Broadcast Panel can be connected via the built in Ethernet connection! ATEM software control provides a professional M/E workflow control panel with parameter adjustments in simple to use palettes. You can manage the switcher media pool and adjust all settings. The switcher control software also includes full keyboard shortcuts!



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Program bus shows you what's on air right now!
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Direct buttons for color generators and media players.
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**Transition Type**  
Transition selection for a wide range of transition types.
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Preview bus is where you select a camera ready to go on air!
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**Black and Bars Selection**  
You can select the built in black or bars generator.
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**Transition Control**  
Auto button triggers the selected transition!
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See what processing is included in this model of ATEM switcher.
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Settings palette gives you access to all your processing.
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Transition settings gives you a massive creative choice!
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Independent down stream keyer controls are perfect for titles, bugs and logos.
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**Fade to Black Control**  
Fade to black control lets you fade everything to end your program!



### Built in Media Players

ATEM includes 2 built in media player frame-stores so you can save thousands of dollars by eliminating external character generators! Because media players are built into ATEM, you get a fantastic portable solution! Media players are great for logos, backgrounds, lower thirds, bugs and more! You can route the media player frame-stores into any switcher input, upstream keyer, downstream keyer or background!



### Built in Multi View

Now you can save thousands of dollars on camera monitoring with ATEM's built in multi view. Multi view allows 10 channels of video to be displayed on a single HDMI television or monitor. You can also customize labels and set safe area markers on the preview display. Multi view includes tally, so on-air sources have red borders and preview sources have green borders. ATEM multi view is as simple to use as connecting a single HDMI monitor, so you get the perfect portable solution!



### Preview Transitions

When you're in the middle of a busy live production, the last thing you need is to make a mistake! ATEM includes a transition preview function that's as easy to use as pushing the Preview Transition button! The Preview Transition button lets you see how the transition will look in the preview display of the multi view. Now you can see the effect before it goes on air!



### Photoshop® CC Plug-in

For incredible character and title generation, every ATEM includes a Photoshop plug-in that lets you instantly download graphics and titles from Photoshop directly into the ATEM media pool. Imagine the moment a live event happens, you can update your Photoshop file and instantly download it into the ATEM media player. Now you can get titles on air in seconds! Because Photoshop is the standard tool for millions of graphic designers, it's easy to get help to create your own custom graphics! ATEM also supports rendered stills and clip sequences from Photoshop® CC, After Effects® CC, Final Cut Pro, Adobe® Premiere Pro® CC and many more!

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## The ATEM Models



### ATEM Television Studio – \$995

The production switcher for the internet age! ATEM Television Studio is a full broadcast quality production switcher with real time H.264 encoding so you can capture live events directly to files for internet distribution! ATEM Television Studio includes 6 video inputs with both broadcast SDI and consumer HDMI inputs for cameras and computers. You get software control panel, chroma keyer, two media player frame-stores, downstream keyers, transitions and more! Also works with ATEM control panels!

[Connection diagram ►](#)



### ATEM 1 M/E Broadcast Panel – \$4,995

When the software control panel is too limited, the ATEM 1 M/E Broadcast Panel is a professional panel with the highest quality buttons, knobs and controls for the most demanding 24/7 live production environment. The ATEM 1 M/E Broadcast Panel is compact so it fits within a rack width! You get full control of your switcher, including cameras, transitions, keyers, fader, DVE control and more. ATEM 1 M/E Broadcast Panel connects via ethernet and includes a loop thru connection for more than one panel or computer.



### ATEM 2 M/E Broadcast Panel – \$14,995

The incredible ATEM 2 M/E Broadcast Panel has the power for the most complex live broadcast events and it's perfect when you have the space for a large panel and need all the control at your fingertips. The ATEM 2 M/E Broadcast Panel features an amazing design that not only looks incredible, but perfectly positions all controls just where you need them for the ultimate creativity on complex multi layer live production. The ATEM 2 M/E Broadcast Panel connects via ethernet and includes loop thru for your media management computer.



### ATEM Camera Converter – \$595

Get everything you need for cameras in live production with a single converter! Connect your camera's SDI or HDMI outputs for conversion to optical fiber, while your switcher program feed can be fed back via optical fiber for camera monitoring. ATEM Camera Converter includes an internal battery, talkback, tally, and microphone inputs!

[Connection diagram ►](#)



### ATEM Studio Converter – \$1,995

ATEM Studio Converter is the ideal partner for the ATEM Camera Converter. Connect up to four Camera Converters via optical fiber up to 28 miles away with bi-directional video plus tally and talkback! Connect your ATEM switcher program output to the ATEM Studio Converter and this is distributed to the four Camera Converters. Multiple Studio converters can be cascaded together when more than 4 cameras are needed. Studio converter can also be used as four independent SDI or Fiber to HDMI converters and four independent simultaneous SDI to Optical and Optical to SDI converters!

[Connection diagram ►](#)



### GPI and Tally Interface – \$495

Add tally to your ATEM switcher with Blackmagic Design's GPI and Tally Interface! With 8 contact closure tally outputs, you can send a tally signal to your cameras, replay machines and monitors so everyone knows which camera is 'on-air'! If you need more tally outputs, simply connect multiple GPI and Tally Interfaces together because it connects via Ethernet to your ATEM production switcher.

[Enlarge ►](#)

[Connection diagram ►](#)

## Amazing Creative Stories from Industry Leaders!



### The Road to Wembley

Arsenal Media Group (AMG) delivers a three hour live production of the FA Cup trophy parade and plays out on a 100m2 mobile LED screen with a workflow built around the ATEM 1 M/E Production Studio 4K and Smart Videohub 4K.

[Read more >](#)

Date 09 July 2014

Tags Live Production



### Gallery of Modern Art Australian Cinémathèque Preserves and Promotes the Art of Film with Blackmagic Design

Located at the Gallery of Modern Art (GOMA), the Australian Cinémathèque relies on Blackmagic Design as the backbone for its year round screening program, corporate A/V and live streaming lectures.

[Read more >](#)

Date 17 June 2014

Tags Feature Film, Live Production, Standards conversion, Live streaming, Short Film



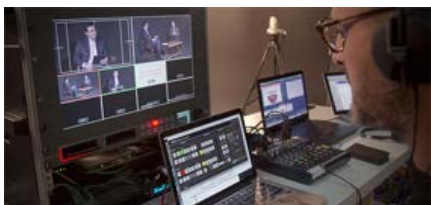
### Hit The Roof Broadcasting Every Arrow Loosed by the World Archery Federation with Blackmagic Design

A Blackmagic Design flyaway kit covers all the action at the World Archery Federation's competitions across the globe, producing live content for major sports broadcasters.

[Read more >](#)

Date 30 May 2014

Tags Live Production



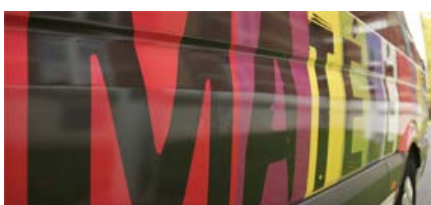
### Live and Behind the Scenes with L'Equipe

French national newspaper L'Equipe produce a weekly live web series, entitled Chats Video Orange-Ligue 1, featuring interviews with players, managers and club owners involved in France's top flight football league.

[Read more >](#)

Date 30 May 2014

Tags Live Production, HD, 4K



### 'Dans le bus' with MaTélé: French mobile news studio with Blackmagic Design

MaTélé's innovative 'Citybus', housing a mobile studio built entirely with Blackmagic Design products is broadcasting local news and features from the heart of a community in northern France.

[Read more >](#)

Date 17 December 2013

Tags Broadcast, Live Production, Television



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## Compare ATEM Television Studio Products

ATEM Television Studio	
Connections	
Tally Output	Added via ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included.)
Total Video Inputs	6
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SDI Video Input	4 x 10-bit SD/HD switchable. 2 channel embedded audio.
HDMI Video Input	4 x HDMI type A, 10-bit SD/HD switchable. 2 channel embedded audio.
SDI Audio Output	2 Ch embedded into SDI output
Audio Input	1 x AES/EBU. Unbalanced via BNC connector
Sync Input	Tri-Sync or Blackburst
Internal Frame Synchronizers	6. All inputs
SDI Program Output	2 x 10-bit SD/HD switchable
HDMI Program Output	1 x HDMI type A, 10-bit SD/HD switchable
Computer Output	1 x USB 2.0 H.264 encoded from program output. Media Express for Mac OS X and Windows included.
Qty of Multi-View's	1
Outputs per Multi-View	1 x HD-SDI and 1 x HDMI
Control Panel Connection	Ethernet supports 10/100/1000 BaseT. Allows direct connection between panel and chassis, or via network.
Control Panel Included	ATEM Software Control Panel included free for Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks or later and Windows 7 64-bit or Windows 8 32-bit or 64-bit.
Software Updates	Using USB 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.

Standards	
SD Format Support	625/25 PAL 4:3, 525/29.97 NTSC 4:3
HD Format Support	1080i50, 1080i59.94, 720p50, 720p59.94.
SDI Compliance	SMPTE 259M, 292M.
Video Sampling	4:2:2 10-bit
Color Precision	4:2:2 10-bit
Color Space	4:2:2 YUV
HDMI Input Resolutions for Computers	720 x 480 59.94Hz, 720 x 576 50Hz, 1280 x 720 59.94Hz 50Hz and 1920 x 1080 59.94Hz 50Hz

Processing	
Audio Mixer	7 input x 2 channel mixer. Selectable On/Off/Audio-Follow-Video. Level and Peak metering. Master gain control.
Processing Delay	1 Line
Colorspace Conversion	Hardware based real time.

Extras	
Total Number of Layers	3
Upstream Keyers	1
Downstream Keyers	2
Linear/Luma Keyers	3
Chroma Keyers	1
Pattern Generators	2
Color Generators	2
Control Panel Compatibility	Includes ATEM Software Control Panel. Also compatible with ATEM 1 M/E Broadcast Panel and ATEM 2 M/E Broadcast Panel.
Input Voltage	12V-30V
Power Usage	20W
Product Warranty	12 Months Limited Manufacturer's Warranty

Display Requirements	
Interface	Minimum monitor resolution of 1366 x 768.

Media Player	
Media Players	2
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

Multi View Monitoring	
Number of Windows	1 x 10
Routable Windows	Fixed Routing
Tally	Red for program and green for preview indication
Windows Souce Labels	Yes


Dimensions	
Size	1 Rack Unit
Width	19" or 482mm
Height	1.75" or 44mm
Depth	2.5" or 62mm
Weight	3 lbs or 1.4 kg

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### Built in Multi View

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ATEM Family			
ATEM Television Studio	Broadcast quality production switcher with real time H.264 encoding.	\$995	<a href="#">Find Reseller</a>
ATEM 1 M/E Broadcast Panel	Control panel for ATEM live production switchers. Supports all ATEM switchers.	\$4,995	<a href="#">Find Reseller</a>
ATEM 2 M/E Broadcast Panel	Control panel for ATEM live production switchers. Supports all ATEM switchers.	\$14,995	<a href="#">Find Reseller</a>
ATEM Camera Converter	Battery powered optical fiber converter with talkback, tally and mic inputs.	\$595	<a href="#">Find Reseller</a>
ATEM Studio Converter	4 x optical fiber converters in 1 RU design, supports talkback and tally.	\$1,995	<a href="#">Find Reseller</a>
GPI and Tally Interface	Adds 8 Tally relay contacts to any ATEM switcher.	\$495	<a href="#">Find Reseller</a>