

The new ATEM Television Studio

The world's first live production switcher for broadcast, professional and AV users!



ATEM Television Studio HD is the first live production switcher designed for both broadcasters and AV professionals. It includes 4 SDI and 4 HDMI inputs so you can connect up to 8 sources, and it supports all formats up to 1080p60! Packed with high end broadcast features, ATEM Television Studio HD has re-sync on all inputs so you always get clean switching whether you're using professional or consumer cameras. Plus, you get multiview output so you can see all of your sources, preview and program on a single screen, aux out, built in talkback, 2 still stores, an audio mixer, camera control unit and more! ATEM Television Studio Pro HD has the same features plus an integrated professional broadcast hardware control panel and additional CCU controls. Both models are perfect for live production, episodic television, web shows, AV or even live coverage of video gaming competitions! Simply plug in your cameras, game consoles or computers and start switching live!





Live Production Switching

Turn any live event into a professional HD television program!

ATEM Television Studio switchers are the fastest and most affordable way to create incredible HD programs immediately from live events! It's perfect for broadcasters, professional sports, concerts, seminars, or even the new emerging generation of web broadcasters using platforms such as YouTube Live, Facebook Live and Twitch.tv. You can switch between multiple cameras, game consoles and computers in real time, all with broadcast quality transitions, graphics and effects! Both models feature clean professional switching so there's never a glitch when changing sources. That means you can even use it as a front end controller for your AV system and switch between multiple sources with the press of a button!



Broadcast



Choose from 2 Great Models

Turn any live event into a professional HD program!

Now you can choose the perfect model for switching your live productions. ATEM Television Studio HD is small but packed with high end features, making it the ultimate portable switcher. ATEM Television Studio Pro HD has all of the same features but the switcher is fully integrated into a professional control panel so you can work much faster on larger complex live productions. With both models of ATEM Television Studio, you get broadcast quality switching, a massive set of creative tools and the portability you need to produce live HD programs from any location anywhere in the world!



ATEM Television Studio Pro HD



ATEM Television Studio HD

Extremely Portable Design

The world's smallest all in one broadcast switcher!

ATEM Television Studio HD is a true professional switcher that's incredibly tiny, making it compact and portable enough to use anywhere! The all in one design includes a built in AC power supply, full front panel controls with input source buttons for switching, a built in LCD screen, spin knob and more. It's small enough to use on the desktop, or it can be mounted in equipment racks using the optional Teranex Mini Rack Shelf. That means it fits alongside other Blackmagic Design products such as Teranex Mini converters, HyperDeck Studio Mini recorders, Blackmagic MultiView 4 or Blackmagic Web Presenter, all in a single rack unit.





Front Panel Control

Operate all switcher features directly from the front panel!



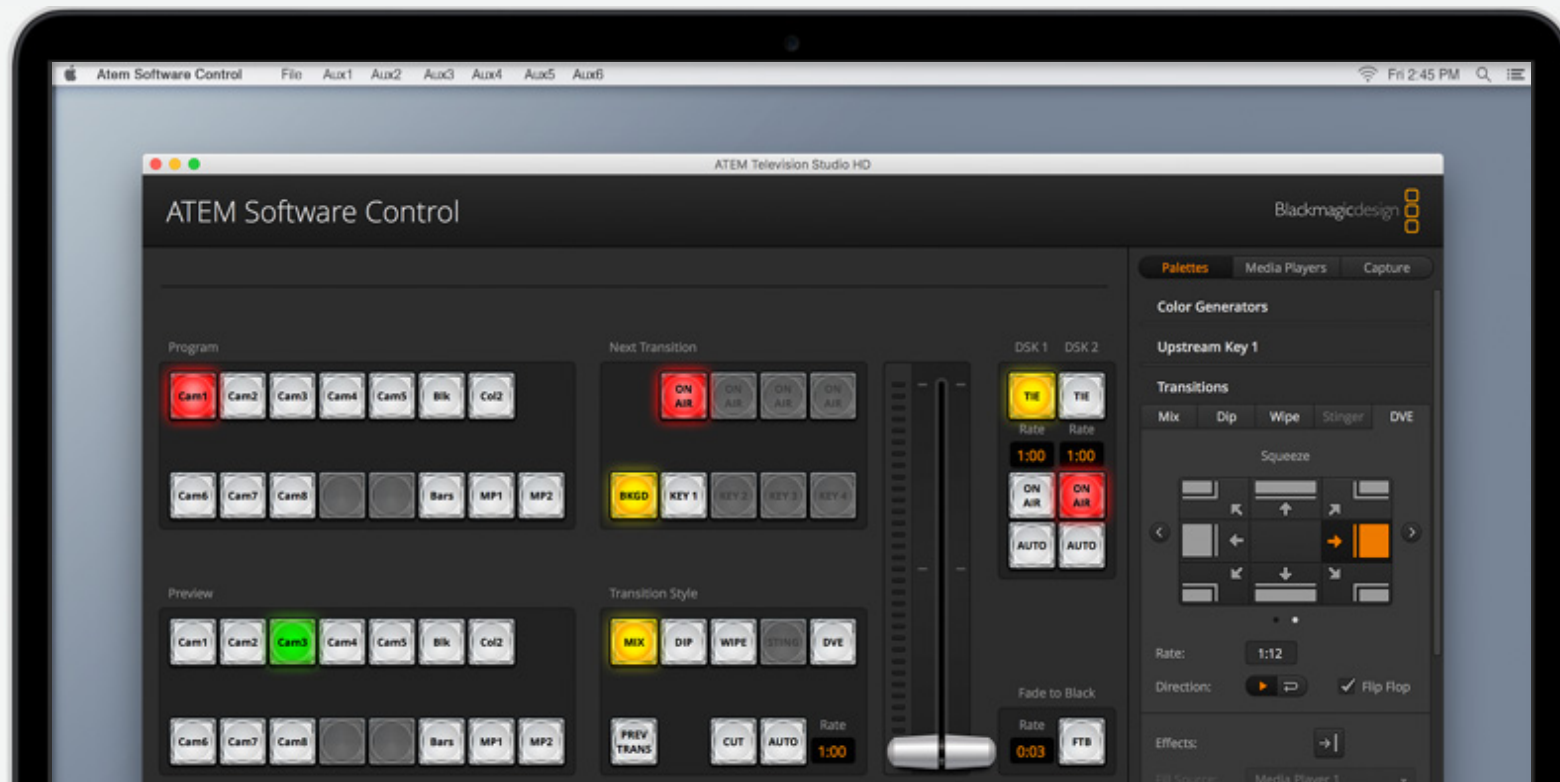
ATEM Television Studio HD



Software Control Panel

Includes free software control panel for Mac or Windows!

For the ultimate in creativity and control, both models include a free, elegant software control panel. Use the control panel and parameter palettes to switch cameras live, change transitions and adjust key settings. You can also load graphics for display or keying, control the hardware audio mixer, automate clip playback from decks and program and activate macros. The powerful camera control lets you remotely adjust iris and focus, camera settings and color correction, all via SDI. Work alone on your laptop computer or, for more complex events, use multiple laptops and people to switch, control cameras, mix audio, and manage graphics and media, all at the same time! If you're new to live production then you can start with ATEM Television Studio HD, then upgrade to ATEM Television Studio Pro HD as you grow and do more complex work!



SDI and HDMI Inputs

Connect up to 8 cameras, game consoles or computers!

Both models feature a professional broadcast SDI switcher that also includes loads of HDMI connections! With four 3G-SDI and four HDMI inputs, you can connect up to 8 cameras, game consoles, computers or other sources and work in all SD and HD formats up to 1080p60! That means you can start with affordable HDMI consumer cameras, or work with professional SDI broadcast cameras. You also get reference input, analog audio in, RS-422 PTZ control, and Ethernet for connecting hardware or software control panels! Unlike other switchers, all video inputs feature automatic frame re-synchronizers, so you don't need expensive genlock cameras. This means you can plug in any video source and it just works!



Professional SDI Outputs

Broadcast quality connections that won't hold you back technically.

ATEM Television Studio includes professional SDI program and aux outputs, along with SDI and HDMI outputs for multiview monitoring. The SDI program output lets you connect to professional decks and recorders, like HyperDeck Studio Mini, so you can record your program at the highest possible quality. The multiview SDI and HDMI outputs make it easy to monitor your program on virtually any display, including consumer HD televisions! The Aux output lets you send your switched program or a clean feed without graphics and overlays out to another display, deck, or even massive screens on stage behind a performer!

Built in MultiView

See all your video sources on a single monitor!

When you're creating a live program from multiple cameras, it's important to be able to see all of the video sources at the same time. The multiview output lets you see up to 8 channels of video on a single HDMI television or SDI monitor! You can see all of your cameras, tally indicators, graphics, preview and final program output all on the same display at the same time. Customize labels, see audio meters, set safe area markers, and more! Connect any standard HDTV to get perfect multi camera monitoring in any location!



Powerful Transitions

Massive creative choice with broadcast quality transitions!

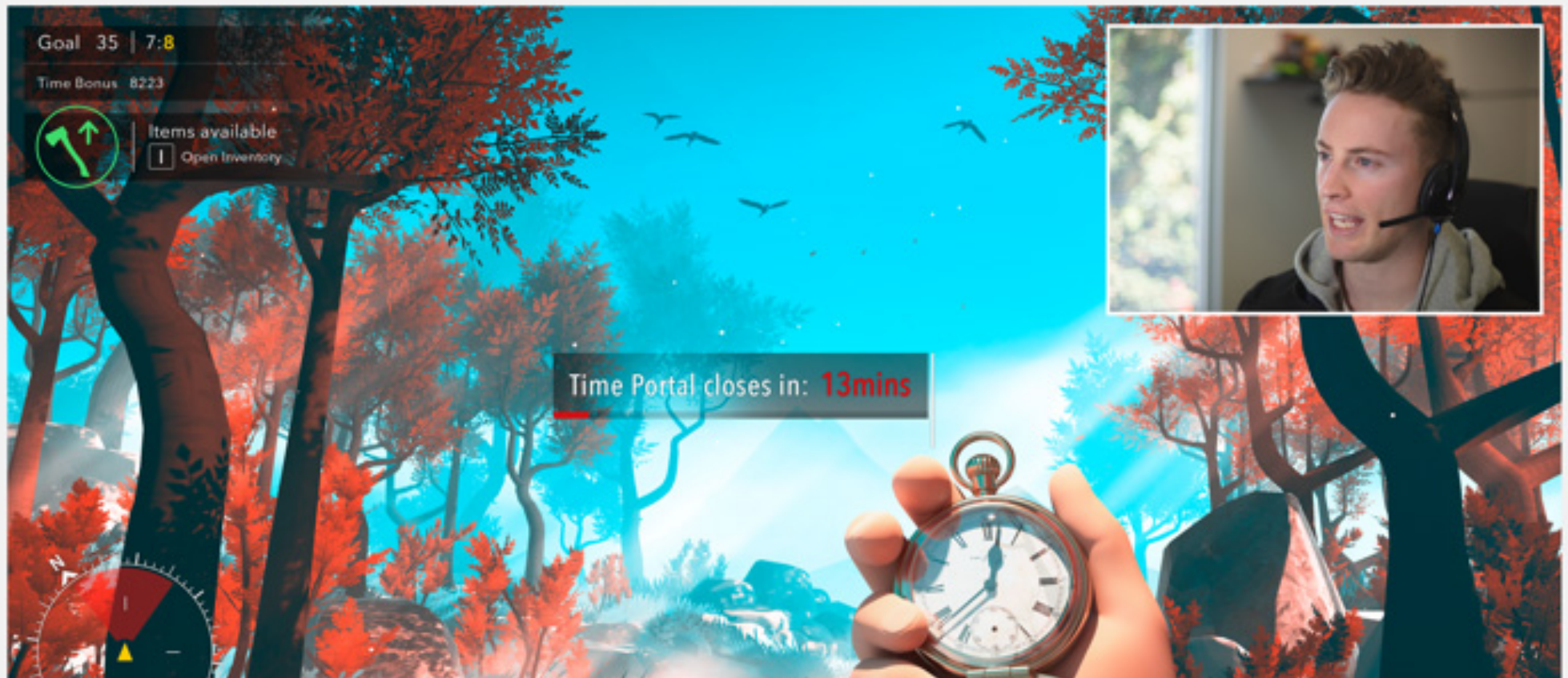
Select and instantly use broadcast quality transitions like mixes, wipes, dips and more when switching between sources! You can adjust the duration of transitions, along with an incredibly wide range of options including border, border color and width, position, direction and more! There are 18 completely customizable transitions that will give your HD program that high end broadcast look! You can also use the DVE for transitions, create graphic wipes, and even stingers when you use it with a HyperDeck Studio Mini playing back 4:4:4:4 graphics with fill and key back to the switcher!



Built in 2D DVE

Amazing DVE transitions and picture in picture effects!

A powerful digital video effects “DVE” processor lets you position, resize and scale live video, all in real time. That means you can create professional picture in picture effects with customizable borders and drop shadows with lighting. Imagine using a picture in picture effect to superimpose a commentator when covering events such as sports, training videos, interviews and even gaming competitions. You also get 17 DVE powered transitions that you can use to squeeze and swoosh between sources, or to create graphic wipe transitions with your own graphics!



Includes Talkback

Realtime two way communication with your cameras!

ATEM Television Studio features built in talkback that takes advantage of rarely used SDI channels 15 and 16 to send talkback audio to and from the camera. There's also headset connections on the front panel for talking to and listening from cameras that support SDI talkback. The talkback from the camera is embedded in the SDI video feed from the camera to the switcher. If you connect the talkback SDI outputs of the switcher back to the camera, then the director's talkback audio is sent to the cameras along with tally and camera control. The 4 SDI outputs feature talkback to cameras with mix minus. This lets you send program audio back to an interviewee so they hear everything except themselves, and won't be distracted by hearing a delayed audio echo.

Director Headset



Talkback In



Camera Operator Headset



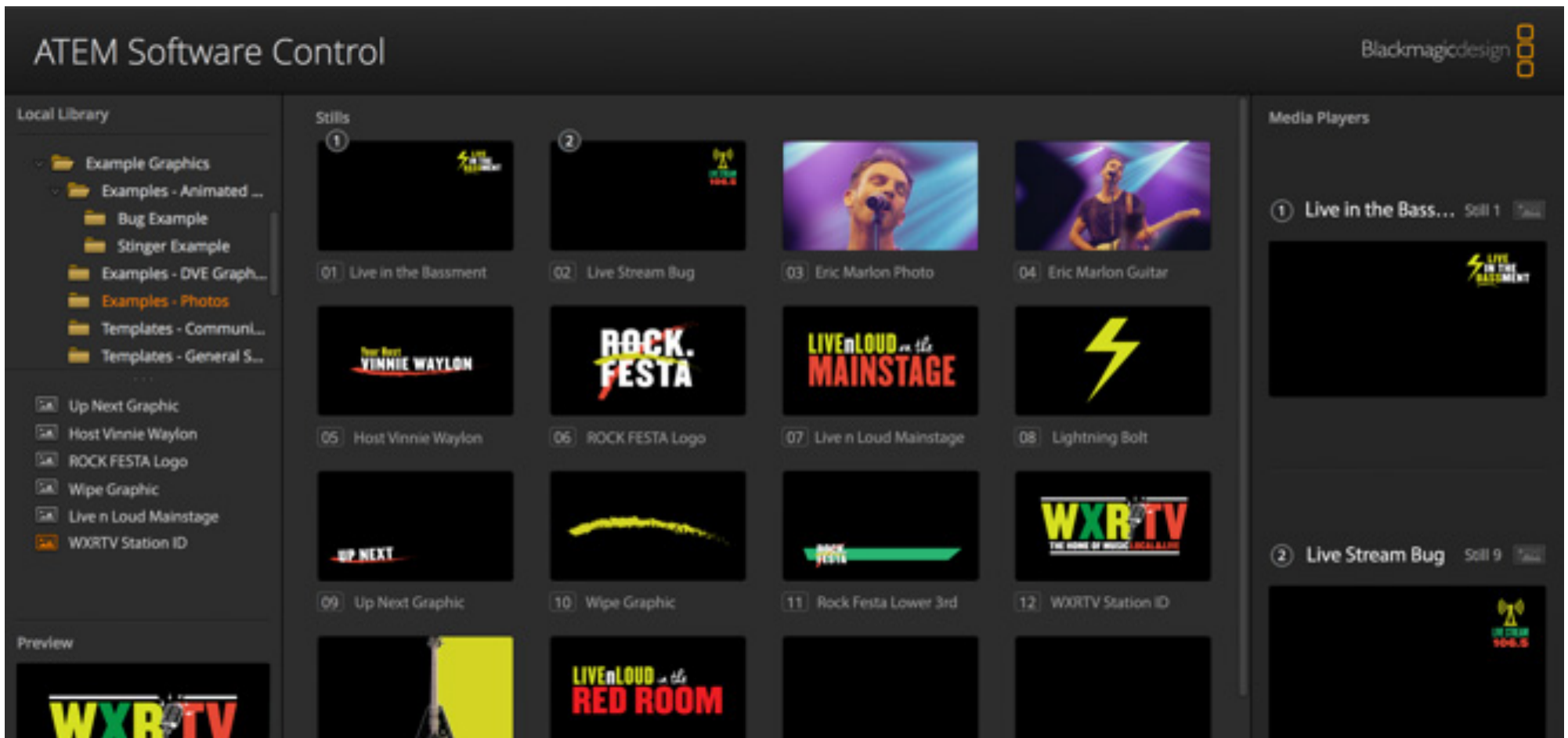
Talkback In



Titles and Graphics

Add professional titles and graphics in seconds!

Store up to 20 of your own custom graphics or logos and get them on air in seconds! Simply upload the files from the media management page of the software control panel into the ATEM's media pool, then select any file to play through the 2 built in media players when you need them. The media players use flash memory, so your graphics are saved after the power is turned off! There's even an included Photoshop plug-in that lets you upload graphics from Photoshop directly into the ATEM media pool from a computer over an ethernet network. Now you can get custom titles and graphics on air in seconds!



Real Time Keyers

Use green screens and mix graphics with live video!

ATEM Television Studio HD includes an upstream keyer with full chroma keying for green screen and blue screen shots. That means you can remove the screen and add weather maps, graphics, and incredible virtual sets behind the on-screen talent! The upstream keyer works with chroma, patterns, shapes, and linear keys. You also get 2 downstream keyers for adding graphics, logos and bugs to your video. Because ATEM Television Studio HD is so small, you can even install a HyperDeck Studio Mini in the rack right next to it. You can use it as a source for ProRes 4:4:4:4 motion graphics files with alpha channels that you can key over your live video in real time!



Professional 3G-SDI Connections

Compatible with all formats up to 1080p60!

Both models feature professional 3G-SDI connections that are multi-rate and support SD SDI, HD-SDI and 3G-SDI video formats. That means you can work with any professional camera or deck in all formats ranging from NTSC/PAL up to 720p, 1080i and even 1080p up to 60 frames per second!



Professional Audio Mixer

Mix audio from all sources in real time!





ATEM Software Control

Blackmagicdesign

Cam1 Cam2 Cam3 **Cam4** Cam5 Cam6 Cam7 Cam8

Cam1	Cam2	Cam3	Cam4	Cam5
On Air			On Air	
Lift Gamma Gain	Lift Gamma Gain	Lift Gamma Gain	Lift Gamma Gain	Lift Gamma Gain
0.00 0.00 0.00 0.00	0.99 1.04 0.97 1.06	-0.01 -0.01 0.01 -0.01	0.00 0.02 -0.01 0.02	0.00 0.00
+0db 1/100 5000K	+6db 1/50 5000K	+0db 1/250 5600K	+12db 1/50 5600K	+0db 1/50 5600K
OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM	OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM	OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM	OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM	OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM OPEN ZOOM
CLOSE	CLOSE	CLOSE	CLOSE	CLOSE

Switcher Media Audio **Camera**

Remote Camera Control

Full camera control from your switcher!

Get full control of your cameras right from the ATEM software control! The Blackmagic Studio Camera can be controlled via the SDI program feed to the camera, so you can control its built in camera settings and full color corrector, all remotely from the ATEM software control panel! There are two types of control interface, a CCU layout for traditional camera control style, or a color corrector interface which is the same as DaVinci Resolve's primary color corrector so you can use all your color correction skills from DaVinci Resolve for adding incredible creativity to live production!

Aux SDI Output

Feed big screens and video projectors on stage!

ATEM Television Studio has an independent auxiliary output that's perfect for feeding big video screens on stage, or can also be used to send "clean feeds" without on air graphics to recorders for program mastering. The front panel aux button makes it easy to select exactly what you want to send to the aux output. Auxiliary outputs can be selected to any video input, media players, the preview bus, test signals and more! Aux outputs are also fantastic for technical monitoring, such as when you are doing camera control, because it can be set to automatically switch to the camera you are adjusting.





Customize Your Perfect Studio

Modular Teranex Mini based design is smaller and more portable!



ATEM Television Studio HD fits in $\frac{2}{3}$ of a rack width so you can mix and match additional equipment in a smaller space! For example, you could rack mount ATEM Television Studio HD and use the free space to add a HyperDeck Studio Mini as a master recorder all in a single rack unit. You could even add Teranex Mini converters to convert additional sources between SDI and HDMI. Combine it with the Blackmagic SmartView 4K for an ideal multiview monitor, and even add a Blackmagic Duplicator 4K that lets you simultaneously record your program to 25 SD cards at the same time, so you can sell them to customers at the end of the event!

Hardware Control Panel

Complete switcher control in a compact design!

If you're using the tiny ATEM Television Studio HD model then a fantastic option for expansion is to use an external dedicated hardware control panel, you can add the optional ATEM 1M/E Broadcast Panel. The super compact 1M/E panel features high quality buttons, knobs and controls for the most demanding 24/7 live production environments, giving you precise hands on control of all switcher functions!



Extreme Reliability

24/7 mission critical reliability!

Live production situations demand the highest reliability. That's why ATEM Television Studio HD uses an internal aviation quality operating system that's designed for real time processing and high reliability. This reliability, combined with the miniaturized design, gives you a much better solution than a cumbersome PC based switcher with cables and plug in cards hanging out everywhere. ATEM Television Studio HD is like getting 10 different devices, all in a single, reliable and portable design!



Learn more about **Workflow** >

Learn more about **Design** >

Learn more about **Features** >

Learn more about **Software** >

Learn more about **Hardware** >

Learn more about **Tech Specs** >

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Teranex Mini Rack Shelf