

Connecting to a brave new world

The latest ATOMOS CONNECT hardware makes it simple, fast and affordable to move your production to the cloud

If you thought you were pretty clued-up about monitoring and recording features on ATOMOS devices, be prepared for a pleasant surprise. As well as all the benefits of HDR monitoring and RAW recording, the latest technology from ATOMOS adds a whole new world of simplified and streamlined production via the cloud for any professional camera.

It's a truly radical innovation for all video creators, streamers and filmmakers, but is also remarkably affordable and simple to use. By adding the £325 (ex VAT) ATOMOS CONNECT unit to any NINJA V or V+, it transforms your cinema camera, mirrorless or DSLR into a fully integrated device that supports cloud-based workflows. It adds a 12G SDI interface, ATOMOS' AirGlu wireless timecode, multiple power options, plus Wi-Fi 6, network Gigabit Ethernet and Bluetooth LE capabilities. The ultimate accessory for your NINJA V.

If you want something a bit bigger, the £1099 (ex VAT) SHOGUN CONNECT is a seven-inch model based on the existing SHOGUN, but has a brighter 2000-nit screen and multiple recording options. Like the NINJA V series, it combines HDR monitoring and RAW recording, and now adds cloud workflows with a loop-through 12G SDI IN and OUT interface. It has ATOMOS AirGlu wireless timecode, plus Wi-Fi 6, Gigabit Ethernet, Bluetooth LE and USB-C connection.

At the heart of this next-generation technology is the ATOMOS Cloud Studio, a collection of services including cloud and live streaming using these network-connected devices. Cloud



FRESH TECHNOLOGY The SHOGUN CONNECT is a seven-inch unit with full-cloud workflow functionality built-in

“It’s a truly radical innovation for all video creators and streamers”

Studio, developed in partnership with app specialist Mavis, offers cloud-based live video production services for real-time collaboration. ATOMOS Capture to Cloud uploads files from ATOMOS CONNECT devices to cloud-based platforms including Frame.io, while Stream uses any ATOMOS network-enabled device to livestream to popular platforms such as Facebook Live and YouTube, among others.

ATOMOS senior VP of product Paul Scurrell explains: “These products have been two years in the making and represent the next big step for ATOMOS. They are the first in a new line of connected products that help filmmakers take the big leap into a cloud-based workflow as easily as possible.

“ATOMOS has been the gateway to Apple ProRes RAW shooting for so many camera manufacturers – and now we will help connect any professional camera to a cloud-based workflow. We are at the start of a massive growth in cloud-based video production for everyone.”

ATOMOS Capture to Cloud

ATOMOS has introduced a powerful, flexible and immediate way to share clips from a camera with the ATOMOS CONNECT or SHOGUN CONNECT devices to remote teams, with the Capture to Cloud system.

By removing the need to manually offload cards during production and wait for rushes to be reviewed, cloud workflow is much faster and allows teams to view and work on footage immediately.

The platform launches with integration to Frame.io, with many more to come.

All you have to do is connect any network-enabled ATOMOS device to the camera and begin uploading clips to the cloud. ATOMOS AirGlu provides a wireless timecode lock – an essential feature for all multicam post-production workflows.

Capture to Cloud supports a ‘dual record’ mode, where ATOMOS CONNECT or



MULTIPLE CHOICE The immensely popular NINJA V range goes from being the ultimate five-inch monitor/recorder to a fully featured wireless cloud machine, just by attaching it to the new ATOMOS CONNECT unit

HOW TO CONNECT WITH FRAME.IO

Once an ATOMOS CONNECT or SHOGUN CONNECT is paired with a Frame.io project, all recordings are instantly available to view in the app, or can be downloaded into integrated video apps, including Premiere Pro, Final Cut Pro and DaVinci Resolve.

Combining ATOMOS-connected devices with Frame.io allows productions to accelerate their remote, distributed workflow – no matter the budget, crew size, or camera type.

Frame.io web and mobile apps are now free for subscribers to Adobe Creative Cloud, that includes Premiere Pro and After Effects.



Frame.io
An Adobe Company



SHOGUN CONNECT devices record two files with matching timecodes and metadata simultaneously. The full-resolution, Apple ProRes 422 or ProRes RAW version and a high-quality, but bandwidth-efficient, HEVC proxy version are produced.

The proxy is automatically uploaded to the cloud via Wi-Fi using a new ATOMOS progressive file transfer protocol, which can begin uploading the file even as it's being captured. These files can then be edited and the low-res versions replaced by high-res for final outputting. ATOMOS Capture to Cloud sets a new standard for the fastest way to transfer, securely back-up and share clips with any remote team members.

ATOMOS Stream

Any ATOMOS network-enabled device can offer a live stream with free support to deliver content directly to a single platform including Facebook Live, Twitch, YouTube and more. Later this year, ATOMOS aims to release a premium restreaming service, via ATOMOS Cloud Studio, to support the delivery to multiple platforms simultaneously. ATOMOS Stream employs industry-standard encryption to

ensure that all data in transfers is protected and streams are secure.

ATOMOS Live Production

Easy streaming from a single camera is a great tool, but the next step is a professional multicam livestream and switching technology – and ATOMOS has partnered with mobile broadcast specialists Mavis to develop just that. ATOMOS Live Production is a complete, cloud-based control room for live multicam events.

The toolset includes a fully featured video switcher and sound mixer, with video effects and graphics, and even talkback. So each camera operator can be in real-time communication with the director.

Live Production can work with any camera, from pro broadcast models to DSLRs, mirrorless and iPhones. The system provides timecode sync to all sources in the cloud and on every connected device.

Using ATOMOS CONNECT or SHOGUN CONNECT devices, camera feeds are streamed to the Live Production system. Each stream can be controlled in real time from a browser, iPad app or any compatible control panel. Crew can direct, produce and mix from any location. The integrated

live talkback technology allows iPhones to be hooked up, so teams can communicate directly. Delivery destinations include a dedicated Apple TV app or iOS devices, so everyone can see productions go live.

ATOMOS Live Production represents a shift in the technologies required for outside broadcasts and live events. ATOMOS has created a workflow that reduces the technical burden, lowers the knowledge barriers and eliminates the significant expense of conventional productions.

It all hinges around the new ATOMOS CONNECT hardware and ATOMOS Cloud Studio services, available from June, and free for an initial three months. From September, subscription plans will start from free to below £10 per month for ATOMOS Cloud to Capture and ATOMOS Stream, with pricing plans for ATOMOS Live Production to be announced shortly. **MM**



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