



Atomos Shogun Ultra

ProdCode: AOATOMSHGU01

7-inch monitor-recorder with integrated networking for enhanced cloud workflows



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Features

- 7-inch monitor-recorder with integrated networking for enhanced cloud workflows
- Perfect for HDMI mirrorless and SDI cinematic cameras
- Enhanced camera-to-cloud connectivity
- Cross-convert between HDMI and SDI
- Ultra-fast and reliable WiFi 6E for more stable connections

What's new, at a glance

- **Brand New OS**
New AtomOS 11 - faster, cleaner, with more features
- **More Codecs Included**
8K ProRes RAW, ProRes, DNxHD & H.265 - all for free
- **Dual Record**
Dual 4Kp60 ProRes RAW & proxy recording for Cloud
- **4K H.265 Recording***
Record & upload high bitrate 4K files to the Cloud
*Available when subscribing to Classic and Premium Atomos Cloud Services
- **SDI Cine**
Auto-matched filenames from ARRI, Canon, RED & Sony cameras

- **Wi-Fi 6E**
Fast, stable connection to the internet
- **RemoteView**
Share live camera views from your Shogun's screen over the internet
- **Improved Monitoring**
With EL ZONE System™ exposure and ARRI false colour
- **Premium Options**
NDI 4K TX
- **Atomos Care360**
Premium extended warranty that covers unforeseen damage

Showtime

Shogun Ultra is your gateway to amazingly fast and productive cloud workflows. So much more than a super-bright monitor recorder, it takes you to new heights of productivity and collaborative creativity. Work faster, work better.

All the connectivity you'll ever need

- **Solid Internet**
Network connectivity with Wi-Fi 6E and GigE.
- **Wireless Sync**
Long-range robust wireless sync and control with AirGlu RF.
- **Third-party Sync**
Third-party sync and app control with Bluetooth AirGlu BT.
- **USB-C Port**
For future updates.
- **More Power Options**
Multiple power options with NP battery slot and separate 2.1mm locking jack DC input.
- **SDI Out**
Separate SDI Out for comprehensive SDI<>HDMI cross-conversion.

Super bright screen

Shogun Ultra's super-bright, large 7-inch screen is viewable in almost every kind of light. Indoors, outdoors, or anywhere you need critical, viewable, instant feedback on your images. With 2000 nits brightness, it's ideal for checking your HDR footage while you're still on set. Or play back your recently captured shots on the same pristine screen for review or even uploading to the cloud.

Choose your workflow

Shogun Ultra has two faces: Local and Cloud. Use it conventionally, and you have an incredible HDR screen, new monitoring tools and both HDMI and 12G-SDI. Turn on its wireless and network capabilities, and you have access to new and productive cloud workflows like camera to cloud and Atomos Edit. You can even edit your project in the cloud and publish directly to social media within minutes of shooting the action.

Enhance your camera

Shogun Ultra can capture RAW inputs up to 8K at 30fps, 6K at 60fps and 4K at 30fps and simultaneously output a standard viewable video signal via HDMI or SDI for devices that don't support RAW formats. With a super bright 2000nit 7-inch SuperAtom IPS touchscreen for clear images and easy accessibility to the features in AtomOS, Shogun Ultra has a new operating system and user interface.

The Ultimate Shogun

In addition to network and SDI connectivity, you get access to super-efficient cloud workflows, and you can cross-convert between HDMI and SDI. Take advantage of the new, ultra-fast and reliable WiFi 6E for more stable connections. Shogun Ultra, which can be remote-controlled over Bluetooth with AtomRemote App, is the most practical and affordable way to stream, transfer and edit in the cloud.

- **2000** nits of brilliance
- **12G-SDI** input/output
- **SDI RAW** up to 4Kp120

Capture simultaneously up to 4K 60p ProRes RAW and HD 60p H.265

Record full-quality files in ProRes RAW up to 4K 60p while at the same time recording HD 60p to H.265. It's the best of both worlds. Boost your productivity by storing your definitive copy in ProRes RAW ready for your post-production workflow, and use your H.265 copy for your camera to cloud activities.

Publish from the cloud

Record higher-quality media for instant publishing. The new 4K camera to cloud mode lets you record and upload much higher quality H.265 video with higher framerates.* H.265 files are half the size of H.264 media. They're small enough for camera-to-cloud workflows but more than good enough for immediate use on social media, sports reporting or news gathering. It's the fastest way to get your video in front of your viewers (requires Atomos Cloud Studio (ACS) subscription). Also a super useful mode to record proxies at up to 4K 60p to match a original in-camera (OCF) file.

*Classic or Premium Atomos Cloud Studio subscription required.

Multiple Codecs

The new Shogun line includes these codecs free of charge, so you can choose the ideal codec for your projects.

- Apple ProRes
- Apple ProRes RAW

- H.265
- DNx (QuickTime)
- DNx (MXF)* coming later in 2023

Apple ProRes is pre-activated to use out of the box, so you can start shooting immediately. To activate H.265 and DNx, visit my.atomos.com to register your Shogun and follow the simple online instructions.

To activate Apple ProRes RAW, you need to go to my.atomos.com. There is a small additional step to get an activation token to access the codec for free. Simply plug in your compatible RAW camera to complete the process. You only need to do it once to unlock this super-flexible and unique codec without time restrictions.

NDI HD and 4K TX

4K TX is a paid option.

NDI is a way to send video over ordinary networks (including Wi-Fi and mobile) in high quality but with remarkably low bandwidth requirements. It's increasingly used in live production, and now your Shogun Ultra can take part in an NDI environment. The NDI TX option turns your Shogun Ultra into an NDI source, visible to all other authorized devices on the network.

Original camera filenames over SDI

Automatically match filenames, timecode and record triggers from ARRI, Canon, RED and Sony cameras. Previously, camera to cloud relied on matching filenames with hero and proxy files made by AtomOS. Now, thanks to cooperation with ARRI, Canon, RED and Sony, Atomos C2C files are matched back to the original in-camera (OCF) filenames. This gives a joined-up process when conforming C2C or SSD proxy files in the edit with camera files. On camera or on Atomos: it's your choice.

Any camera, any format. Anywhere.

Pair Shogun Ultra equally well using SDI or HDMI with smaller cameras as part of a minimal setup or with full-size camera rigs on large-scale productions. Shogun Ultra is made from precision materials with a solid aluminium frame, crafted for maximum durability. Weighing only 360g (0.79lbs), you can use it comfortably with a handheld camera. Shogun Ultra includes anti-rotational – 16 mount points on the top and bottom. It ships with a ¼ – 20 adaptor for easy mounting on industry-standard equipment from a wide range of manufacturers.

Stream from Anywhere

Shogun Ultra supports live streaming to a range of online services including Facebook Live, Twitch, YouTube, and custom RTMP/S. With Wi-Fi 6E, Gigabit Ethernet, and the ability to join cellular hotspots all built-in, Shogun CONNECT helps filmmakers, streamers, and video content producers reach their audience from anywhere.

Key Features

- Support for more camera models with 12G-SDI
- SDI input to HDMI output conversion
- Wi-Fi 6E and 1GbE Ethernet
- Stream to Facebook, Twitch, YouTube, and custom RTMP/S services
- Share media with camera to cloud (C2C) and Atomos Edit
- Live stream an HDMI or SDI source into Atomos Live Production or RemoteView
- Synchronize cameras, audio recorders, and applications with AirGlu™
- Support for AtomRemote app
- Add major features without adding significantly to the overall footprint

A complete monitoring toolbox

Shogun Ultra includes comprehensive monitoring tools to help you get the perfect composition and exposure in every shot. Easy-to-use but powerful tools include waveform, focus peaking, multiple false colour tools, zoom controls, custom LUTs, and frame guides. Shogun's new AtomOS 11 software is simple to update with new features and releases – as well as support for new cameras.

- **Waveform**
Evaluate the brightness of your image, regardless of the colour
- **Aspect Ratios**
Easily switch between aspect ratio guides for instant and accurate framing
- **Anamorphic De-squeeze**
Compensate for non-spherical anamorphic lenses to show a visually corrected wide-screen image
- **False colour**
New with AtomOS 11: ARRI False Colour and EL ZONE System
- **Custom Frame Guides**
Frame shots with confidence, for social media or cinematic productions

A highly secure mount

From individuals to large-scale cinema productions, Shogun Ultra has been built to fit

into any camera rig. It features a versatile mount that can be adapted to suit different industry-standard equipment from a wide range of manufacturers. Once locked in place the mount is highly secure and offers anti-rotation settings, so you can trust Shogun Ultra to remain in place at all times.

Connectivity. We've got you covered.

Shogun's comprehensive range of inputs and outputs lets you capture the highest quality video from the widest range of cameras, and connects you to the cloud, for new, ultra-speedy and productive workflows.

- **Media Slot**
Compatible with Master Caddy II & III media and AtomX SSDmini
- **Tally Light**
The red Tally Light on the rear of the unit indicates active recording. Can be turned off in the menu options.
- **HDMI 2.0 In/Out**
HDMI Input supports inputs up to 4Kp60 video and 6Kp30 RAW. HDMI Output can loop-out up to 4Kp60 video in Rec. & Playback mode.
- **RJ45 Ethernet Port**
1Gb Ethernet for a high-speed & robust hardwired network connection.
- **DC Power Connector**
Connect the USB-C PD to DC Adapter Cable for mains power
- **12G-SDI In/Out**
Connectors are 12G-SDI compliant and backwards compatible.
- **Battery Slot**
Attach NP-F/L-Series type batteries to supply power in the field.
- **RF Antenna**
Connect the supplied RF antenna for wireless AirGlu functionality.
- **USB-C**
For expanded functionality in the future.
- **WiFi Antennas**
Connect the supplied WiFi antennas in this position.
- **Battery Release**
Press and slide away from unit to remove.

Get more from your video

The AtomRemote app for iOS and macOS has an array of controls for Shogun Ultra. It lets you configure and control your Shogun from up to 15 meters away via Bluetooth LE while you define camera connections, select Gamma/EOTF and adjust Gamut settings. AtomRemote can control playback, select monitoring modes, apply custom 3D LUTs, and view image analysis tools, including exposure and focus. Output

controls include options for 4K to HD, LUT preview and HDR output.

Resolution	Frame Rate
4K DCI	23.98 / 24 / 25 / 29.9 / 30 / 50 / 59.94 / 60p – HFR 100 / 120 via RAW over HDMI & SDI on selected cameras
4K UHD	23.98 / 24 / 25 / 29.9 / 30 / 50 / 59.94 / 60p
FHD 1920 x 1080 Progressive	23.98 / 24 / 25 / 29.9 / 30 / 50 / 59.94 / 60 / 100 / 120p
FHD 1920 x 1080 PsF	Converted to P and looped out PsF
FHD 1920 x 1080 Interlaced	50i / 60i
1280 x 720p	50 / 59.94 / 60p

Perfectly synchronised

Atomos AirGlu™ is included with the Shogun Ultra and adds wireless timecode, sync, and control technology. AirGlu locks multiple Atomos devices or compatible cameras, audio recorders and software applications together so that they share the same frame-accurate timecode. It is also able to relay recording, battery status, and disk capacity information to the server unit. Any AirGlu device can act as the server unit, which means you'll no longer need a huge budget or get involved in time-consuming post-production workflows to produce perfectly synchronized, multi-camera video. AirGlu BT is the Bluetooth timecode sync protocol adopted by many camera and audio manufacturers, and AirGlu RF is the long-range sync and control protocol between Atomos connect products.

Versatility and power

With flexible options for industry standard formats and RAW codecs, Shogun Ultra records visually lossless “hero” files that are ready for editing and proxy/sharable files that look great but are quick to upload.

Shogun is designed to be versatile and meet the requirements of your workflow. Atomos understands the value in being able to select the format, quality, resolution, frame rate, or file size that best suits the needs of your production.

- **Apple ProRes RAW**
Up to 12-Bit RAW via HDMI & SDI.
- **Apple ProRes**
Edit-ready codec from Apple, with scalable levels of compression.
- **Avid DNxHD/HR**

Edit-ready codec from Avid, with scalable levels of compression.

- **HEVC (H.265)***

A highly efficient compressed codec that allows you to create high-quality, low bit-rate and smaller-sized files for sharing.

You can also create 4K HDR 10-bit deliverables or use the option to bake in custom LUTs to achieve specialist looks during production.

*HEVC (H.265) dual recording is only enabled in Camera to Cloud mode. To use H.265 dual or single recording outside of this mode, a separate H.265 license is required. For more information, visit my.atomos.com

Record without limitations

The ability to record up to 8K using advanced edit-ready formats including ProRes RAW, ProRes, and DNxHD/HR requires fast, robust, and expansive storage. Shogun Ultra supports removable SSD drives, which provide the space and sustained performance to meet these needs.

AtomX SSDmini drives are more compact than standard SATA SSDs and offer an affordable alternative to an SD card of similar capacity or performance. They support up to 4TB storage, sequential read speeds of up to 550MB/s and write speeds up to 500MB/s. The AtomX SSDmini drives are able to record up to 150 minutes of 4K ProRes. Measuring 8cm long, 7.5cm wide and weighing as little as 88g, the custom-built drive neatly fits into the Shogun without impacting the overall footprint of the device.

- **8K RAW**

High definition recording

- **4TB**

Lots of storage

- **Data Speed**

Read and write speed up to 550Mb/s

More flexibility

There is an optional SSDmini adaptor that allows CFAST II cards to be used, enabling you to recycle older media cards or align with your camera media. Alongside SSDmini we also qualify a range of 2.5-inch SSDs that can be used in conjunction with the MasterCaddy III adaptor in the Shogun Ultra box.

With Shogun Ultra the only limitation to how much you can record is the size of the SSD. A core principle of Atomos devices is to provide much more flexibility in terms of recording codec, resolution, and frame rate than is normally available with internal recording. SSD media also provides more GB per \$ than camera media cards. This

provides extended recorded times for long form productions or recording events.

