

Shogun 7

 atomos.com/shogun7

Unbelievable HDR, real-time Dolby Vision monitoring

Atomos Shogun 7 is a precision HDR monitor-recorder-switcher designed for the film and video professional. It can be used as either a stand-alone field monitor, recorder and switcher for event, documentary and live in-the-field storytelling; or as a tool for large-scale on-set episodic TV, film and cinema productions where multiple crew members such as focus pullers, grips and cinematographers require a consistent visual reference across the field monitor ecosystem. Shogun 7's portable size lets you monitor, analyze and tag while on set; and check how your content will look in your audience's home via real-time Dolby Vision output. With Shogun 7 you're not locked into any format, camera manufacturer or pipeline. It is a completely flexible master recording and production station.

Live multi-cam has never been more portable

Monitor, record and switch between 4 live HD SDI video streams and one program stream for flexible in-the-field directing. Enjoy the freedom of asynchronous switching and gen lock in & out to connect to existing infrastructure. Shogun 7 offers up to HDp60 SDI ISOs x 4 recording. Once you've finished capturing your streams, just import the Atomos xml file into your NLE and your timeline populates with all your edits in place. Audio is also taken care of, with each ISO and program record, we insert the mixed analog stereo channels and embed 2 channels of digital audio in each recorded stream. The program stream always records the analog feed and switches between audio inputs for the on-camera audio to match the switched feed.

Single-camera storytelling in 4K, or 2K slow-mo

Capturing in 4K is now becoming a requirement for content streaming providers. With the latest HDMI 2.0v you can capture up to 4Kp60 on any available camera, or via Quad Link, Dual Link or Single Link. If slow motion capture is important to your production, Shogun 7 lets you capture 2K up to 240p. You can tag on-the-fly while recording for direct-to-edit look up in Final Cut Pro X, Adobe Premiere* and Avid Media Composer.

* xml conversion may be required



Atomos technology brings the real world to your monitor

Introducing Dynamic AtomHDR technology, designed by Atomos to yield a 1,000,000:1 screen contrast ratio. With Shogun 7 blacks and colors are rich and deep. Images appear to 'pop' with added dimensionality and detail. The incredible Atomos screen uses a unique combination of advanced LED and LCD technologies which together offer deeper, better blacks than rival OLED screens, but with the much higher brightness and vivid color performance of top-end LCDs. Objects appear more lifelike than ever, with complex textures and gradations beautifully revealed. In short, Shogun 7 offers the most detailed window into your image, truly changing the way you create visually.

The best HDR just got better

A new 360 zone backlight is combined with our new screen technology and controlled by the Dynamic AtomHDR engine to show millions of shades of brightness and color, yielding jaw-dropping results. It allows Shogun 7 to display 15+ stops of real dynamic range on-screen. The panel is also incredibly accurate, with ultra-wide color and 105% of DCI-P3 covered. For the first time you can enjoy on-screen the same dynamic range, palette of colors and shades that your camera sensor sees.

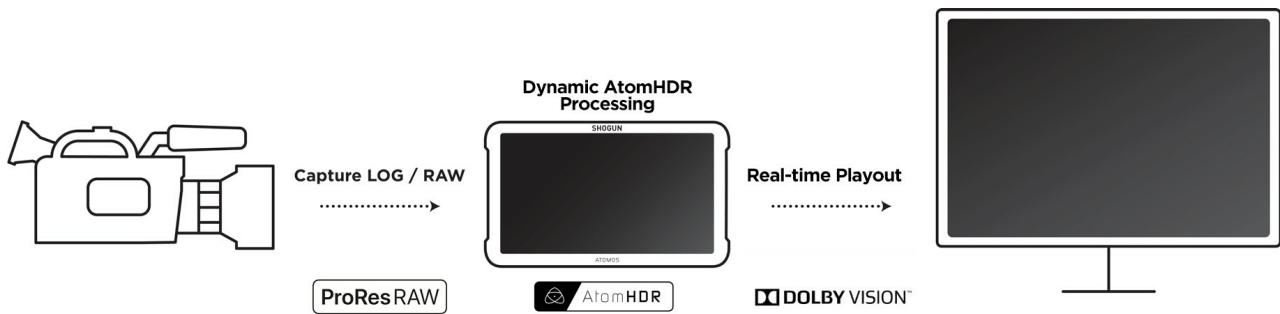
Record RAW, deliver accurate Dolby Vision HDR

The challenge with HDR production is maintaining the creative intent of the production at the time of shooting vs the finished product that is viewed on devices and TVs. Atomos and Dolby have teamed up to give you Dolby Vision live HDMI out, in real-time, from any SDI or HDMI HDR camera. All courtesy of AtomOS 10.

Simply connect your Dolby Vision capable TV or monitor to your Shogun 7 or Ninja V and magically, automatically, the AtomOS analyses the image, queries the TV, and applies the right color and brightness profiles for the maximum HDR image on the display or TV. This ensures the HDR image always looks – as it was creatively intended by the creator. This is a valuable on-set reference check for the creative director and client.

This function is also available in playback and playout from RAW and Log recorded ProRes RAW, ProRes and DNx rushes for instant time-saving, on-set and in-studio review. Utilise playback functions like slow motion, and insert edit and in and out points to speed up playlist compilation.

Live Atomos to Dolby Vision TV workflow



AtomOS 10 – pocket size monitoring & playback

AtomOS 10 includes a redesigned touch user interface for improved HDR image viewing via our Dynamic AtomHDR engine. It allows for accurate set up and one-touch operation, a complete suit of scopes, exposure, zoom, calibration and focus tools to ensure a great recording every time.

A recording isn't complete until checked. Shogun 7 allows instant playback, slow motion and frame-by-frame analysis for immediate HDR review either on-screen or out to any Dolby Vision capable TV or monitor, playing out SDR is just as easy, you can even review them side by side.

ProRes RAW – the best of RAW and ProRes combined

Capturing ProRes RAW video with Shogun 7 unlocks the true potential of your RAW cinema camera and provides complete control of your video image at the highest quality possible.

ProRes RAW combines the flexibility of RAW video with the incredible performance of ProRes. Import, edit and grade pristine video with RAW data straight from your camera sensor without slowing down your edit. These RAW files provide maximum flexibility for

adjusting the look of your video, while extending brightness & shadow detail. The ideal combination for HDR workflows.

Shogun 7 preserves your content's maximum dynamic range, color accuracy and detail. Colors can be easily matched and the extra information means footage can be easily be manipulated in post-production, which is especially useful for grading and VFX shots.

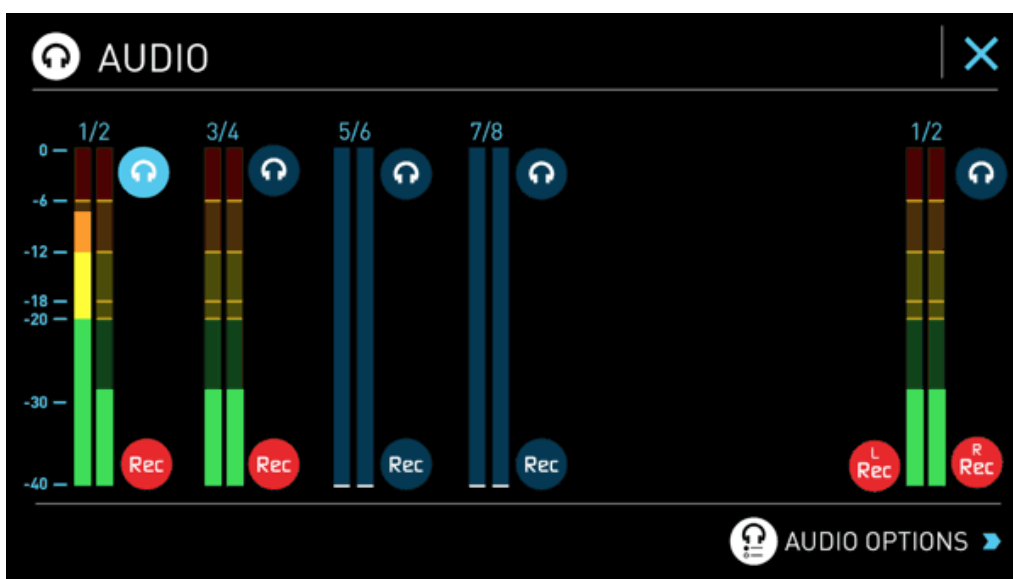
In addition to ProRes RAW, Shogun 7 supports ProRes, DNxHR, CinemaDNG, Avid DNxHD via HDMI and SDI. Capture from any HDMI, SDI or Quad Link SDI source including cameras from Nikon, Canon, Panasonic, Sony, RED and ARRI.

Edit HDR in the field

Shorten the gap between capture and final edit with AtomOS real-time production tools and functions. Monitor analyze and tag shots, making the most of portability while being on the go. Record direct to the desired NLE editing/grading/transcoding formats; from camera to standard industry finishing workflows, enjoy support for Apple Final Cut Pro, Avid Media Composer and Adobe Premiere. With the new ProRes RAW metadata functions, never lose sight and have peace of mind in post-production. Playback rushes on-set on-device to the best quality display or to a TV with full Dolby Vision support.

Balanced audio

Eliminate the need for a separate audio recorder. Add 48V stereo mics via the balanced XLR breakout cable. Select Mic or Line input levels, record up to 12 channels of digital audio from HDMI or SDI. Monitor selected stereo via the 3.5mm headphone jack. There are dedicated meters, gain controls and adjustments for frame delay.



High Speed Connections

Seamlessly connect any SDI or HDMI device for monitoring and recording. Cross convert between HDMI 2.0 and 1.5G/3G/6G/12G/Quad Link SDI in almost any combination and eliminate the need for specialist converters.

12Gb/s

HDMI/SDI

500MB/s

Record write -
SATA III SSD

120mins

Record on 2TB SSD

2TB

Playback read -
SATA III SSD

