ATOMOS Shogun Inferno 7" 4K Monitor/Recorder

Description

This 4K monitor and recorder is packed with easy-to-use scopes and tools for focus, framing, and exposure. It also offers the option for anamorphic de-squeeze.

Key Highlights

- 4K HDMI & 12G-SDI In/Out
- Record to SSD/HDD media
- 1920x1200 touchscreen UI & display

Atomos

Abel Code: ATM-ATOMSHGIN2

Mfr. Code: ATOMSHGIN2

OVERVIEW

The **ATOMOS Shogun Inferno 7" 4K Monitor/Recorder** is packed with an extensive suite of scopes, all 1-touch away and simple to use. The Video OS includes tools for focus, framing, and exposure (Focus peaking, 2:1/1:1 zoom, Zebra, False Color, Safe Area, luma/RGB parade, vectorscope), along with a flexible 3D LUT implementation (use built-in LUTs or upload .cube files) and options for de-squeezing anamorphic content.

ATOMOS invented the all-in-one monitor recorder category and now redefines it with their Shogun Inferno.

Be sure to download the Firmware V9.01 update, which supports ProRes RAW capture and playback on select cameras. This update enables the user to capture RAW footage at up to 12-bit RGB on SSD media. ProRes RAW files can be ingested directly into Final Cut Pro 10.4.1.

AtomHDR image processing lets you shoot with the high brightness range of your camera's Log profile while maintaining vibrant true-to-life colors. Conventional monitors lack this capability, displaying the

brightness detail of Log but with a washed out image that makes judging exposure difficult. Be at the forefront of the HDR revolution by having a field monitor capable of resolving HDR in the field as you see it in Post Production and record the original Log image direct from the sensor for HDR grading in post production.

The touchscreen display is a full 7" HD calibrated monitor with 1500nit brightness. Snap on a sun hood to block out strong light. It features a magnetic adhesion design which ATOMOS calls snap-fast for easy UI screen access.

Inferno features ATOMOS' patented continuous power system (a hot swappable dual battery system that automatically swaps to the second battery when power is low). To support the dual battery system we include a blazingly fast battery charger, two 4-cell batteries and a D-Tap to DC coiled cable to ensure continuous power in the field is all but assured.

The Shogun Inferno has multiple audio options replacing the need for a separate audio recorder. Monitor up to 8ch of embedded HDMI audio, up to 12ch of SDI audio or use the included XLR breakout cable to connect with external microphones for balanced analogue audio with 48V phantom power.

Outside of RAW and high frame rate 4:2:2 Apple ProRes / AVID DNxHR recording, the Shogun Inferno adds recording functionality not found in other recorders. Trigger start/stop recording over HDMI or SDI popular cameras, convert interlace to progressive signals on the fly with built-in 3:2 and 2:2 pulldown or use features like Pre-roll (continuous cache recording) and Time lapse to maximize your creativity.

The exterior of the ATOMOS Shogun Inferno is what they call a "Battle Ready Build" with built-in Armor and continuous power in a lightweight design. The NP style 4-cell batteries are capable of 1.5 hours of monitoring and recording in 4K.

Firmware Updates:

Download Firmware V9.11 update, which includes:

- Panasonic EVA1 5.7k RAW frame rates supported: 23.98/24/25/29.97/30
    - Recording is supported for ProRes RAW only
- Automatic HDR configuration in playback
    - When playing a movie recorded with AtomHDR monitoring enabled, all HDR settings will be automatically restored to match the settings when recording was started
    - Select the "Auto HDR" button to enable this feature
    - Bug Fixes: Missing meta data from some lenses caused recording failures

Firmware V9.01 update includes:

- ProRes RAW capture
    - Supported cameras:
        - Canon C300 Mark II
        - Canon C500
        - Sony FS700
        - Sony FS5

- Sony FS7/FS7 II
- Panasonic Varicam LT
- Panasonic EVA1

- ProRes RAW playback
- Support for your <u>Panasonic EVA1</u> to capture RAW
- Enhanced focus peak options
- Sony RAW loop out support
- ARRI file naming support
- HLG support for your <u>Panasonic GH5 Mirrorless Camera</u>
- Added option to pause your video during slow motion playback

Fixes on this upgrade include:

- 25% improvement in record <->playback transition time
- Fixed occasional Record to Play Mode switching issues
- Loop out during playback of 4kDCIp60 is now configured to 4kDCIp60 rather than 4kDCIp30
- Fixed an issue some units experience where the screen appeared too dark when there was no video input

<u>Firmware V8.3 update</u> includes:

- Quad-Link and Dual-Link cameras are now supports with ProRes / DNx
  - Cameras now supporting Quad-Link (Squared & 2SI):
    - AJA CION
    - Canon C700
    - Panasonic Varicam 35
    - RED DSCM1 with REDCast Module - EPIC, SCARLET DRAGON (Mysterium X is not supported)
    - Sony PMW-F55
    - Sony PMW-F5 + CBKZ-55FX 4K expand option
    - Sony F65RS + CA-4000 + SKC-4065 + BPU-4000 (for studio camera configuration)
    - Sony HDC-4800 (4K studio camera and CCU)
    - Sony HDC-4300 (4K studio camera and CCU)
    - Toshiba IK-4K
  - Cameras now supported with Dual-Link:
    - Canon C500 2Kp60
    - Panasonic Varicam LT - 10bit Dual Link RAW
- Sony FS RAW to ProRes 4Kp100/120 burst speed recording mode added for the Sony FS5 & Sony FS700
- Secure Erase option for selected media (below) to maximize SSD performance
  - Sandisk Extreme Pro
  - ATOMOS branded Gtech Media
  - ATOMOS branded Angelbird Media

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WHAT'S IN THE BOX

- Soft Travel Case
- XLR Breakout Cable
- Power Supply
- Master Caddy II
- ATOMOS Shogun Inferno 7" 4K Monitor/Recorder

SPECIFICATIONS

KEY HIGHLIGHTS

- 4K HDMI & 12G-SDI In/Out
- Record to SSD/HDD media
- 1920x1200 touchscreen UI & display
- Continuous power / Fast Charging
- Monitor & record XLR audio

BATTERIES

Hot Swap:	Yes - Continuous power * Patent pending - Primary-secondary battery system. Change batteries without losing power. Loop batteries continuously
Operating Time:	5200mAh - up to 1.5hrs (monitor & record 4K 30p)
	7800mAh - up to 2.2hrs (monitor & record 4K 30p)

COLOR

Supports 3D LUTs:	Yes - .cube format
Color Gamut:	REC 709 - HDTV
	BT.2020 Gamut
	ALEXA Wide Gamut
	DCI-P3 - +
	S-Gamut3.Cine
	Canon Cinema Gamut
	V-Gamut - Panasonic
	S-Gamut - & S-Gamut3

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CONNECTORS

Output Connector/Port:	12G-SDI
	HDMI
	1/8" (3.5mm) Mini
	XLR
Input Connector/Port:	HDMI - (2.0)
	3G-SDI - Quad link 4 x 3G SDI* or up to 12G single link SDI * Available in future firmware update
	3-pin XLR
	Genlock
	2.5mm LANC

INPUTS & OUTPUTS

Audio I/O:	Audio Input - SDI - 12ch 48kHz 24-bit
	Audio Output - SDI - 12ch 48kHz 24-bit

MEDIA CONVERSION

Sig Conversion Input/From:	RAW - to Apple ProRes / DNxHR
	SDI - to HDMI: 720p 50/60; 1080i 50/60; 1080p 24/25/30/50/60/100/120/200*/240*; 2160p 24/25/30/50/60 * Available in future firmware updates
	HDMI - to SDI: 720p 50/60; 1080i 50/60; 1080p 24/25/30/50/60/100/120/200*/240*; 2160p 24/25/30/50/60 * Available in future firmware updates
Sig Conversion Output/To:	SDI - From HDMI: 720p 50/60; 1080i 50/60; 1080p 24/25/30/50/60/100/120/200*/240*; 2160p 24/25/30/50/60 * Available in future firmware updates
	HDMI - From SDI: 720p 50/60; 1080i 50/60; 1080p 24/25/30/50/60/100/120/200*/240*; 2160p 24/25/30/50/60 * Available in future firmware updates
	Avid DNxHR - From Video (with a .MOV wrapper) - 4K DCI 24/25/30/50/60p; 4K UHD 24/25/30/50/60p; 2K N/A; 1080p 24/25/30/50/60/100^/120^/200/240p; 1080i 50/60i; 720p 50/60p. ^From supported HDMI sources such as gaming consoles and graphics cards.
	Apple ProRes HQ, 42k LT - From Video - 4K DCI 24/25/30/50/60p; 4K UHD 24/25/30/50/60p; 2K N/A; 1080p 24/25/30/50/60/100^/120^/200/240p; 1080i 50/60i; 720p 50/60p. ^From supported HDMI sources such as gaming consoles and graphics cards.

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Avid DNxHR HQX, HQ, SQ, LB - From Video - 4K DCI 24/25/30/50/60p; 4K UHD 24/25/30/50/60p; 2K N/A; 1080p 24/25/30/50/60/100^/120^/200/240p; 1080i 50/60i; 720p 50/60p. ^From supported HDMI sources such as gaming consoles and graphics cards.

Loop Formats:	SDI to SDI - 720p 50/60 1080i 50/60; 1080pSF 24/25/30; 1080p 24/25/30/50/60/100/120/200*/240*; 2160p 24/25/30/50/60 *Available in future firmware updates
	HDMI to HDMI - 720p 50/60, 1080i 50/60; 1080p 24/25/30/50/60/100/120/200*/240*; 2160p 24/25/30/50/60 *Available in future firmware updates

MICROPHONES

Gain:	Max Audio Gain - +52dB

MONITORS

Bit Depth:	10-bit - HDR - (8+2 FRC)
Monitor Resolution:	1920x1200
Monitor Brightness:	1500Nits - (+/- 10%)
Recorder & Monitor:	Yes

POWER

Power Input:	1 x DC - 6.2 - 16.8V
	Battery Pack - 6.2V to 16.8V

RECORDERS

Media Rec Options:	SSD - 2.5" SSD/HDD compatibility depends on recording format, resolution and frame rate.
Phantom Power:	Yes - 48V Phantom Power for Mic
Recorder Channel Count:	2-Channel - balanced XLR analog in/out
Dynamic Range:	> 90 dB

RECORDING

Recording Resolution:	4K 17:9
	HD - 1920x1080

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Recording Format: Apple ProRes HQ

RAW - Sony FS5/FS7^^/FS700 CDNG: 4K DCI; 24/25/30p; 4K UHD; 2K 24/25/30/50/60/100/120p; 1080. Optional unit (XDCA-FS7) needed for Raw output.

Apple ProRes 422 LT

Apple ProRes 422

Avid DNxHR HQ, SQ and LB

Avid DNxHD HQ

Avid DNxHR HQX

SOFTWARE / APPS / PLUGINS

XML Support: Include - FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools

SHIPPING

Width: 14 in

Height: 6.9 in

Length: 15.9 in

Weight: 12.55 lb