ATOMOS

00:00:10:23

Rec   Play   Mon   Edit

Credit: Abandon Visuals

CONTENTS

We are your new secret weapon to save time & money on a shoot.

We exist to help creative professionals cut through technology barriers, make production easier and faster at a lower cost. This increases competitiveness in your market place and allows for more profitability to continue your business. We care deeply about every aspect of film and video production, from the DSLR user through broadcasters and cinema production as well as the post production finishing crowd. Every minute we are alive we focus on reliability and quality at an affordable price, allowing you to focus on creative story telling, not deciphering the technology landscape. We care that you and your family can truly move ahead in your chosen endeavor.

Jeromy Young
CEO

Ian Overliese
CEO

Unleash Your Camera's Hidden Potential.

Atomos adds professional recording, monitoring, playback and editing functionality not found in most cameras to enable a faster, higher quality and more affordable end to end production.

Rec   Play   Mon   Edit

On affordable media

High resolution, calibrated SuperAtom monitor

Record to ProRes & DNxHR

Sensor

Rec — Hollywood quality Recording
Record 4K & HD from the sensor of the world's leading cameras direct to Hollywood editing formats (ie 422 10-bit Apple ProRes and AVID DNxHD/DNxHR) for high quality, time-saving integration into Apple, Adobe and AVID workflows. (Note: 4K recording only with Shogun, Shogun Studio & Ninja Assassin)
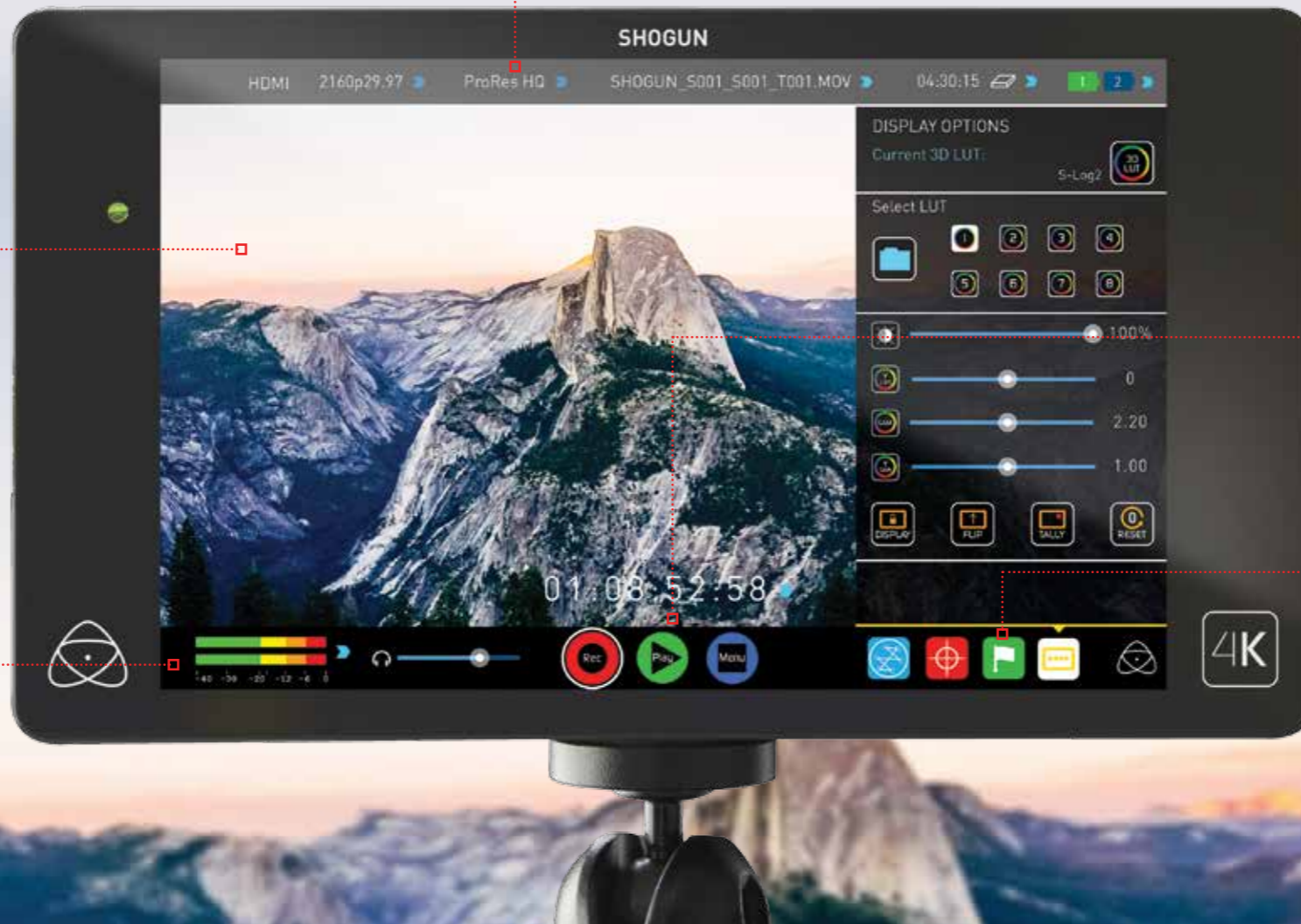
Mon — Video Monitoring
Class leading monitors with crystal clear detail and accurate colors that include tools for confirming focus, color, exposure and framing. Premium models also have 3D LUTs and 2:1 / 1:1 zoom.

Mon — Audio Monitoring
Premium audio monitoring and recording over HDMI, SDI and analogue audio over either line in or balanced XLR in/out.

Rec — Long Recording Time
Super long record times (e.g. 10 hours of HD or 3 hours of 4K ProRes HQ on a 1TB SSD) onto high capacity, reliable and affordable media from the world's leading brands (Sandisk, Transcend, Intel etc).

Play — Review
Collaborate on set with both playback controls and monitor tools for instantaneous review of recorded and uploaded content. View clips and playlists (selected models) on screen or out to a larger TV or monitor. 4K models have downscaling to allow connection to existing HD infrastructure.

Edit — Metadata TAG
Check footage during recording and playback and make editing decisions with a choice of tags that carry through to the timeline of your NLE software.

SHOGUN

HDMI   2160p29.97   ProRes HQ   SHOGUN_S001_S001_T001.MOV   04:30:15   1   2

DISPLAY OPTIONS
Current 3D LUT: S-Log2
Select LUT

100%
0
2.20
1.00

DISPLAY   FLIP   TALLY   RESET

01:08:52:58

4K

Adventure filmmaker

My name is Renan Ozturk from Camp4Collective. I'm a director and DOP that specializes in expedition based adventure shoots all over the globe, from the world's highest mountains to the most remote oceans and deserts.

Durability & reliability paramount
In our remote locations there is no second take, no chance to get replacement products. The kit you have at the start of the expedition needs to perform right to the end. We put the Shogun through its paces in -30°C temperature, crammed into climbing backpacks, thrown on the rock, in the snow… generally used and abused. And it survived.

Hollywood quality, small footprint
Before the Atomos Shogun, I used larger camera systems to get the quality I need where I could. Physically however I couldn't carry the RED up to 20,000 feet as well as keep up with the athletes and Sherpa friends I was climbing with. With Shogun, I just used a simple arm to connect to the A7s... no need for any massive shoulder rig or extra cage. We can deliver Hollywood quality with a rig that can be carried across 20,000 feet ridge tops for 15 hours a day.

Less time in post production
Outside of the quality we get with 4K recording, the fact that all of the recordings are done straight to Apple ProRes 422 HQ is a huge bonus and a massive time saver for my post process. We edit in Adobe Premiere CC and even though it handles most RAW codecs for big projects I have to transcode everything... but not the 4K from the Shogun since Premiere accepts the ProRes files natively without any need to transcode.

Shot accuracy without distraction
During shooting, having waveform and focus assist monitoring tools on screen is also huge for me. I'm often in high angle situations where I have to be conscious of my safety which takes half of my attention away from the technical nitty gritty of shooting...It's easy to over-expose or miss my focus, so having these pro overlays is really important when I only have one take, one moment to capture a scene.

Review footage instantly
The Shogun was also useful for client review with our stripped down crew. We had a few directors working in tandem on the ground and in the air and sharing the footage on a larger screen while on the go rather than on the back of the A7s made decision making on set an easy task. We would sit in the tent at night sharing what we shot with the client, both knowing exactly what was captured during the day.

Overall the Shogun is a big deal for adventure filmmakers like myself. Most of the serious shooters I know already have the Shogun and are starting to push the limits with it on cutting edge expeditions. I'm really excited for the future of exploration with this valuable tool.

On location in the Himalayas shooting for The North Face
**Credit:** Renan Ozturk l Camp4Collective

"We put the Shogun through its paces in -30°C temperature, crammed into climbing backpacks, thrown on the rock, in the snow…generally used and abused. And it survived."

Documentary filmmaker

The Atomos Shogun is hands down for me the best on board reference monitor I have ever used without even considering its ability as a 4K digital recorder.
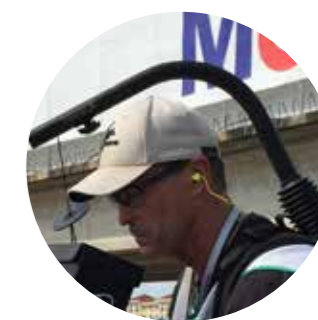
Capturing the Porsche USA Endurance Race, ready for big screen

During one of the first pre-production calls with the director he made it clear he wanted to be small and fast with a very small footprint and also wanted to shoot 4k for possible big screen opportunities down the line. I suggested the Sony A7s paired with the Atomos Shogun. I chose the Atomos Shogun because of its ability to record 4k ProRes HQ files. It's also a really light on board reference monitor that I can depend on for color, composition, exposure and focus.

Heat and Humidity no problem

I was concerned that the heat, the humidity at Sebring, which was in the 80's to 90's, could have been a problem with the A7s and Shogun. But in the 5 days of shooting I never once had an overheating or humidity problem with either the camera or the Atomos Shogun. It rocked the whole job with no issues.

Instantly review clips with clients

The Atomos Shogun's playback feature allows you to quickly scroll through your clips and play them back for your clients to see. You can also play back with the waveform vector scopes and put false color on if you're not sure about the exposure. And you have the ability to blow up the image 2:1 in 4k and check focus.

The best reference monitor, let alone it's recording capability

The Atomos Shogun is hands down for me the best on board reference monitor I have ever used without even considering its ability as a 4k digital recorder. From camera to monitor the colors are as true as I have ever used. The image is incredibly sharp which is key to judging subtleties in focus and it has so many user friendly tools for you as an operator to judge focus and exposure, wave form, vector scopes, false color, zebra, focus assist, the Atomos Shogun has it all and more. What was really impressive for me is how user friendly all the tools are. Just a couple of screen touches away from everything you need.

Record 4K, HD and RAW* direct to Hollywood editing standards

Record direct from the camera sensor to your choice of Apple ProRes, DNxHD/DNxHR or RAW* in 10-bit 422 quality onto affordable media options. Based on the camera's output the Shogun can accept and record up to 4K 30p and HD 120p over HDMI or 12/6/3/1.5G SDI.

* RAW recording on select cameras available from AtomOS6.4 onwards

Review Instantly on Set

Full playback controls allow collaboration on set to review content the moment it's captured, using the full suite of monitor tools on screen or out to a larger HDMI or SDI monitor. There is even 4K to HD down scaling to connect with existing HD infrastructure.

The World's most advanced Audio and Video Monitor

A stunning 7.1" 1920 x 1200 over 320ppi IPS screen makes Shogun perfect as a director's monitor. Shoot more accurate colors with class leading 3D LUTs, 2:1/1:1 zoom for critical focus, waveform, focal assist and an optional Spyder calibration unit. It's the perfect tool for perfect creative shot setup.

Metadata Tagging at point of acquisition

Save time in post by tagging your captured content the moment you review on set (10 tags available), create a custom playlist and even cut in/out points. Save them out as an XML on the Shogun and drop straight onto the timeline of FCPX. For other NLEs, XML files can be converted using 3rd party apps such as X2CC.

ProRes
Avid DNxHR
4K
HD

INCLUDED ACCESSORIES

Shogun unit	1 x 5200 mAh battery
Custom HPRC Italian made carry case	Battery charger
9V-3A AC adapter	XLR breakout cable
Master Caddy II x 5	SATA 3/2 to USB 3/2
D-Tap adapter	HDD/SSD docking station

4K 422 10-BIT — 4K off the sensor in edit friendly 422 10-bit Apple ProRes and Avid DNxHR. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

RAW RECORD — Capture the 4K/HD RAW output from select cameras such as the Sony FS7/FS700 & Canon C500 over SDI and record direct to 10-bit 422 ProRes or DNxHR.

7" IPS SUPERATOM — Spectacular 7.1" 1920x1200 over 320PPI SuperAtom IPS capacitive touch-screen. Calibrated in the factory to Rec.709 & calibrate anytime using the optional Spyder unit.

WFM — All the tools for perfect color, exposure & focus. Waveform, RGB parade, luma parade, vectorscope, 2:1/1:1 zoom, focus peaking, false color, zebra 0-100% & blue only.

TIME LAPSE — Video time lapse gives enormous creative license with up to 10 different sequences, speed ramp and scheduled start and end times over 24 hours.

ANAMORPHIC — Monitor anamorphic images perfectly by de-squeezing images captured using 2x, 1.5x, 1.33x and the GH4 anamorphic lenses.

HDMI 12/6/3/1.5G SDI — Shogun has both HDMI and 12G SDI in/out ready (back compatible with 1.5/3/6G SDI). You can convert between HDMI and SDI (both ways) and the ability to downscale from 4K to HD on the outputs.

3D LUT — Users can upload any LUT in ".cube" format, either common LUTs such as SLog2, Slog3, CLog etc or their own user defined LUT.

XLR AUDIO — A pro monitor requires pro audio. An included breakout cable gives balanced XLR, line/mic, phantom power & 2ch balanced output.

PRE ROLL — Activate cache recording on any camera with Pre-roll. Go back in time up to 2s in 4K and 8s in HD ensuring you never miss a shot.

SSD — We support affordable, readily available HDD or SSD. HDD is the most affordable option for HD. For 4K SSD provide performance and reliability.

START/STOP TRIGGER — Trigger record start/stop & record timecode direct from the camera over HDMI (select Canon, Sony and cameras with the Atomos protocol) & SDI (Canon, Sony, Panasonic, Arri, RED, JVC & Ikegami).

Record 4K UHD & HD 60p to Hollywood editing standards

Record 4K UHD 30p or HD 60p direct from the sensor to visually lossless, ready-to-edit Apple ProRes and Avid DNxHR.

Increased color accuracy

Bypass the internal camera compression to achieve increased 4:2:2 color accuracy and 10-bit color resolution in Professional Edit friendly codecs like ProRes and DNxHR.

High resolution, accurate 7" Monitor with video analysis tools

The class leading 7" SuperAtom IPS calibrated monitor provides a range of easy to use professional monitoring tools (waveform, luma parade, RGB parade, vectorscope) on a high resolution (1920 x 1200) high pixel density (over 325ppi) screen to ensure perfect shot setup every time.

No Record Time Limit

Recording externally to the camera puts an end to the traditional 30min recording barrier on DSLR and Mirrorless cameras

Focus Assist

Focus and Exposure assist tools with 1:1 and 2:1 Zoom for 4K.

4K to HD Down-scale

Record your clips in 4K and play them out in HD for use on existing equipment such as TVs, Monitors and Projectors.

ProRes

Avid DNxHR

4K

HD

INCLUDED ACCESSORIES

Ninja Assassin unit
EVA soft carry case
9V-3A AC adapter

Master Caddy II x 1
Red Ninja Assassin Armor Bumper
Quickstart guide

4K 422 10-BIT — 4K off the sensor in edit friendly 422 10-bit Apple ProRes and Avid DNxHR. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

TIMECODE — Synchronize with the camera's timecode or record run, free run, time-of-day time codes for independent external recording.

7" IPS SUPERATOM — Spectacular 7.1" 1920x1200 over 320PPI SuperAtom IPS capacitive touch-screen. Calibrate in the factory to Rec.709 & calibrate anytime using the optional Spyder unit.

WFM — All the tools for perfect color, exposure & focus. Waveform, RGB parade, luma parade, vectorscope, 2:1/1:1 zoom, focus peaking, false color, zebra 0-100% & blue only.

TIME LAPSE — Video time lapse gives enormous creative license with up to 10 different sequences, speed ramp and scheduled start and end times over 24 hours.

ANAMORPHIC — Monitor anamorphic images perfectly by de-squeezing images captured using 2x, 1.5x, 1.33x and the GH4 anamorphic lenses.

HDMI — Features full size HDMI in and out for connection to cameras and output to larger HDMI screens.

3D LUT — Users can upload any LUT in the ".cube" format, either common LUTs such as SLog2, Slog3, CLog etc or their own user defined LUT.

AUDIO LINE IN — 3.5mm analog audio input allows connection from analog mixers or microphones, locked frame accurately to your video.

PRE ROLL — Activate cache recording on any camera with Pre-roll. Go back in time up to 2s in 4K and 8s in HD ensuring you never miss a shot.

SSD — We support affordable, readily available SSD's from the world's most trusted media brands.

START/STOP TRIGGER — Trigger record start/stop & record timecode direct from the camera over HDMI (select Canon, Sony and cameras with the Atomos protocol) & SDI (Canon, Sony, Panasonic, Arri, RED, JVC & Ikegami).

One device. Mulitple ways to improve your SDI workflow.

Combining HD Recording (422 10-bit up to 1080p30) with a HD monitor adds significant quality and time savings for new and entry level SDI cameras, as well as breathing life into your low bitrate past work horse cameras. Conveniently utilize Samurai Blade as a proxy recorder for higher end cinema workflows.

## Dramatically increase monitor quality & recording

SDI cameras with MPEG recording and sub 3" low resolution screens will benefit greatly with edit friendly ProRes/DNxHD recording and a 5" SuperAtom IPS screen packed with waveform, focus assist tools and calibration, for perfect shot setup.

Use as a proxy recorder and additional director's monitor

SDI cameras that record 4K & beyond to RAW internally use the Samurai Blade to create HD proxies and speed up workflow. The 5" IPS screen acts as an additional monitor for focus pulling or directors to review footage using the waveform and focus assist tools.

Review and tag on set with the editing team

Editing starts on set with the Samurai. Tag clips as Favorite/Reject, cut in/out points anywhere at any time. By recording direct to 10-bit ProRes/DNxHD editing teams can starting grading immediately without any need for transcoding.

SAMURAI BLADE

ProRes

Avid DNxHD®

HD

SD
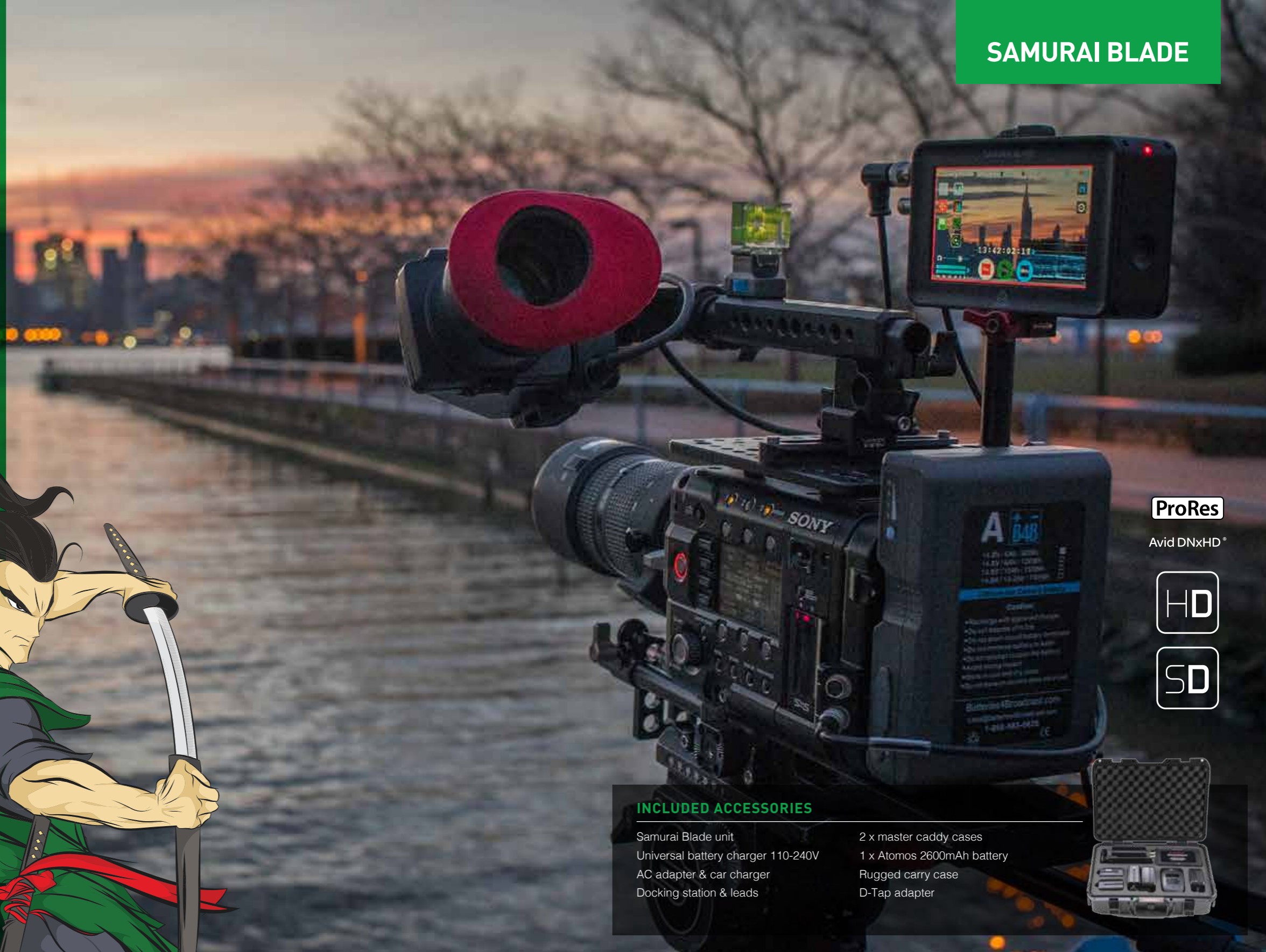
INCLUDED ACCESSORIES

Samurai Blade unit	2 x master caddy cases
Universal battery charger 110-240V	1 x Atomos 2600mAh battery
AC adapter & car charger	Rugged carry case
Docking station & leads	D-Tap adapter

5" DISPLAY — The 5" 1280x720 325ppi LCD IPS monitor is calibrated to Rec.709 for colors you can trust. Built in waveform, focus assist, 1D LUT's & a transparent UI let's you see your image as you set up.

WFM — Suite of monitor tools including waveform, RGB parade, luma parade, vectorscope, focus peaking, false color & blue only.

SSD HDD — We support affordable, readily available HDD or SSD. HDD is the most affordable option, perfect for most situations. For vibration sensitive shoots SSD is supported.

Monitor up to 12ch digital and 2ch analog audio all locked frame accurately, never drifting. Take a line in from a mixing desk & even manually adjust for delays from the camera.

START/STOP TRIGGER — We've teamed up with leading camera brands (Canon, Sony, Panasonic, RED, Ikegami and Arri) to give you frame accurate timecode and start/stop triggers over SDI.

You get more than expected with Atomos. Included in the price is a rugged carry case, battery, car charger, battery charger, AC adapter, HDD/SSD caddy & dock, D-Tap adapter.

422 10-BIT — HD off the sensor in edit friendly 422 10-bit Apple ProRes & AVID DNxHD. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

HD-SDI SD-SDI — HD/SD-SDI connection in and out for connection to SDI cameras or out to SDI monitors.

Our patented Continuous power dual battery system automatically swaps to the second battery when power is low without interrupting recording for continuous power in the field.

TIMECODE — Synchronize with the camera's timecode or record run, free run, time-of-day time codes for independent external recording.

AI¹³ — Our products are ready for the field with aircraft grade Aluminum, locking mechanisms on removable parts, low weight and wide operating temperature (-30 to +45 C)

CALIBRATE — Out of the box colors you can trust with calibration to SMPTE Rec. 709 & D65 white point. Maintain accuracy over time through on the fly calibrations every two weeks using the optional Atomos Spyder.

Specifications correct at time of printing E&OE

Add the Pro video functionality missing in your HDMI camera

Adding a Ninja Blade adds Pro Video recording and monitoring capability to your existing DSLR/Video camera along with the ability to playback footage and edit footage on the fly.

Record from the sensor to edit friendly Hollywood standards

Record HD (up to 1080p30) direct from the sensor to edit friendly 10-bit 422 ProRes or DNxHD, bypassing the camera's internal lossy MPEG compression. Record with no 30min time limits onto high capacity, affordable HDD or SSD (1TB = 10hrs ProRes HQ).

Monitor with confidence

The SuperAtom 5" monitor (Capacitive touch, IPS, 325ppi, 1280x720) is calibrated to Rec709, has built in waveform & focus assist tools, overlay capability to see your image as you monitor & can be manually calibrated over time (optional Spyder tool).

Review, tag and start editing immediately

All of your captured footage can be immediately reviewed on set, checked using the monitor tools, tagged Favorite/Reject and saved as an XML file ready to dock and drop without transcoding into your editing software package.

ProRes
Avid DNxHD®

HD

SD

INCLUDED ACCESSORIES

Ninja Blade unit
Universal battery charger 110-240V
AC adapter & car charger
Docking station & leads
2 x master caddy cases

1 x Atomos 2600mAh battery
Rugged carry case
D-Tap adapter
1 x Canon and 1x Nikon battery mount plates

5" DISPLAY — The 5" SuperAtom IPS capacitive touchscreen is 1280 x 720 with 325ppi and overlay to ensure you see your image as you monitor.

WFM — Suite of monitor tools including waveform, RGB parade, luma parade, vectorscope, focus peaking, false color & blue only.

SSD HDD — We support affordable, readily available HDD or SSD. HDD is the most affordable option, perfect for most situations. For vibration sensitive shoots SSD is supported.

AUDIO LINE IN — Monitor up to 2ch digital and 2ch analog audio all locked frame accurately, never drifting. Take a line in from a mixing desk & even manually adjust for delays from the camera.

START/STOP TRIGGER — We've teamed up with leading camera brands (Canon, Sony, Nikon & Panasonic) to give you frame accurate timecode and start/stop triggers over HDMI.

You get more than expected with Atomos. Included in the price is a rugged carry case, battery, charger, AC adapter, HDD/SSD caddy & dock, D-Tap adapter.

422 10-BIT — HD off the sensor in edit friendly 422 10-bit Apple ProRes & AVID DNxHD. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

HDMI — Features full size HDMI in and out for connection to cameras and output to larger HDMI screens.

Our patented Continuous power dual battery system automatically swaps to the second battery when power is low without interrupting recording for continuous power in the field.

TIMECODE — Synchronize with the camera's timecode or record run, free run, time-of-day time codes for independent external recording.

AI[13] — Our products are ready for the field with aircraft grade Aluminum, locking mechanisms on removable parts, low weight and wide operating temperature (-30 to +45 C).

CALIBRATE — Out of the box colors you can trust with calibration to SMPTE Rec. 709 & D65 white point. Maintain accuracy over time through on the fly calibrations every two weeks using the optional Atomos Spyder.

Specifications correct at time of printing E&OE

Upgrade your camera's recording capability

Post production quality recording on set by avoiding the camera's internal MPEG compression. Direct from the sensor to Apple ProRes or Avid DNxHD in 422 10-bit quality avoiding the need for transcoding and preserving quality during color grading.

Long Record Times, No time limits, Affordable media

Bypassing the camera's internal storage, users can record beyond the DSLR conventional 30min barrier (e.g. 1TB HDD = 10hrs ProRes HQ) onto affordable and reliable HDD or SSD from the world's most trusted media brands.

Works with any HDMI product

Record from the world's leading cameras along with thousands of other HDMI devices (projectors, phones, game consoles, computers etc)

Extension of the camera

The HDMI connection is compatible with Canon, Sony and our own Atomos start/stop trigger and timecode protocol. For compatible cameras, users can hit record from the camera to trigger record and timecode on both devices.

ProRes

Avid DNxHD®

HD

SD

INCLUDED ACCESSORIES

Ninja 2 unit	HDD/SSD Docking Station (USB 3.0 only)
HDD/SSD Master Caddy x 2	Canon 5D MKIII (LP-E6) Battery adapter
2600mAh Battery x 1 (NP570 L, Series Compatible)	Nikon D800/D810 (EN-EL15) Battery adapter
AC Battery Charger	

4.3" DISPLAY — The 4.3" resistive touchscreen is 800 x 480 with 220ppi. Perfect to navigate menu options and as a comfort monitor on set.

10+ HRS RECORDING — Record to your choice of affordable, reliable and high capacity SSD or HDD. The high capacity means long record times are possible (1TB = 10hrs ProRes HQ).

SSD HDD — We support affordable, readily available HDD or SSD. HDD is the most affordable option, perfect for most situations. For vibration sensitive shoots SSD is supported.

AUDIO LINE IN — Monitor up to 2ch digital and 2ch analog audio all locked frame accurately, never drifting. Take a line in from a mixing desk & even manually adjust for delays from the camera.

START/ STOP TRIGGER — We've teamed up with leading camera brands (Canon, Sony, Nikon & Panasonic) to give you frame accurate timecode and start/stop triggers over HDMI.

HDMI + LOOP — The HDMI input and output allows you to connect and record from any HDMI device or loop out to larger monitors for client review.

422 10-BIT — HD off the sensor in edit friendly 422 10-bit Apple ProRes. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

30 MIN — Recording externally to the camera means that the traditional 29.59min barrier imposed on many DSLR cameras does not apply.

(power icon) — Our patented Continuous power dual battery system automatically swaps to the second battery when power is low without interrupting recording for continuous power in the field

TIMECODE — Synchronize with the camera's timecode or record run, free run, time-of-day time codes for independent external recording.

AI¹³ — Our products are ready for the field with aircraft grade Aluminum, locking mechanisms on removable parts, low weight and wide operating temperature (-30 to +45 C)

5 HRS — Our low power design means that long battery life is realized. 5 hours in the case of the Ninja 2.

Specifications correct at time of printing E&OE

The Go-anywhere solution to Record & Review direct to Apple ProRes

Ninja Star gives all of the benefits of recording direct to Apple ProRes, eliminating MPEG compression and transcode, reducing image degradation, overcoming the 30min barrier. It's ready for Post production in a form factor perfect for when size and weight is critical. The mounting plates are also included.

Record direct to ProRes

Just like our Monitor/Recorder range, Ninja Star bypasses the cameras internal MPEG compression and records direct to 10-bit 422 Apple ProRes onto compact high speed CFast cards.

Review instantly on set

With Playback controls, the Ninja Star can instantly review captured footage when connected to a larger monitor or TV using the micro HDMI connection.

Tiny size, featherweight, long lasting

The Ninja Star is the world's smallest, lightest Apple ProRes recorder (130g/4.6oz). Small enough to fit in your pocket, light enough to hang from a quad copter and with 5 hours battery life likely to outlast the camera in the field.

ProRes

HD

SD

INCLUDED ACCESSORIES

Ninja Star unit
Atomos Custom Carry Case (soft shell)
2600mAH Battery x 1
(NP570, N,L Series Compatible)

Atomos CFast Reader
Battery Charger
Cheese plate mounting bracket

130g 4.6oz — The world's smallest, lightest Apple ProRes recorder at only 130g (4.6oz) and 95mm wide (3.7").

5 HRS — Our low power design means that long battery life is realized. 5 hours in the case of the Ninja Star.

3:2 — Extract 24P/30P from 60i & 25P from 50i or pSF equivalents in real time.

You get more than expected with Atomos. Included in the price is a handy carry case, battery, charger, car adapter, CFast card reader and cheese plate.

HDMI + LOOP — The micro HDMI input and output allows you to connect and record from any HDMI device or loop out to larger monitors for client review.

CFast — CFast cards are small, reliable & thanks to Atomos also affordable. An Atomos 128GB CFast card delivers up to 3hrs of Apple ProRes recording.

422 10-BIT — HD off the sensor in edit friendly 422 10-bit Apple ProRes & Avid DNxHD. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

30 MIN — Recording externally to the camera means that the traditional 29.59min barrier imposed on many DSLR cameras does not apply.

START/STOP TRIGGER — We've teamed up with leading camera brands - Canon, Sony, Nikon & Panasonic, to give you the convenience of timecode and start/stop triggers over HDMI.

TIMECODE — Synchronize with the camera's timecode via HDMI embedded for independent external recording.

REVIEW — Recorded footage can be played back and controlled for large screen client viewing.

The small size, light weight & provided cheese plate allows for an endless number of ways to mount the Star to your rig.

Simultaneously record 4K, HD AND RAW in 4:2:2 10-bit edit ready codecs

Dual Record channels provides the ability to simultaneously record 2 separate inputs in your choice of resolution and codec. It also gives you the choice to record 2 versions of the same input for parity or to suit your workflow. Perfect for recording 4K Masters with HD deliverables or Full Resolution RAW to ProRes/DNxHR with lightweight proxies or dailies.

Dual 7" monitors with scopes

Full playback controls allow collaboration on set to review content the moment it's captured, using the full suite of monitor tools on screen or out to a larger HDMI or SDI monitor. There is even 4K to HD downscaling to connect with existing HD infrastructure.

Control protocols to suite you operation

Offering the lightning fast touch screen interface of the AtomOS for in rack control, remote control via AMP over ethernet and RS422 Machine control protocols to suit your operation via 9 pin din for flexibility in both Rec and Playback. You can also cascade trigger controls to enable multiple recorders to start recording from a single input.

Metadata tagging at point of acquisition

Save time in post by tagging your captured content the moment you review on set. Mark using 10 tags including Favorite/Reject in record or playback mode & even mark the i/o points for the tags. Create custom playlist of favorites which respects subclip i/o points, selected clips or all clips with either a rundown or reverse order playback. Then save them out as an XML to the drive and drop straight onto the timeline of your choice of NLE.

ProRes

Avid DNxHR

4K

HD
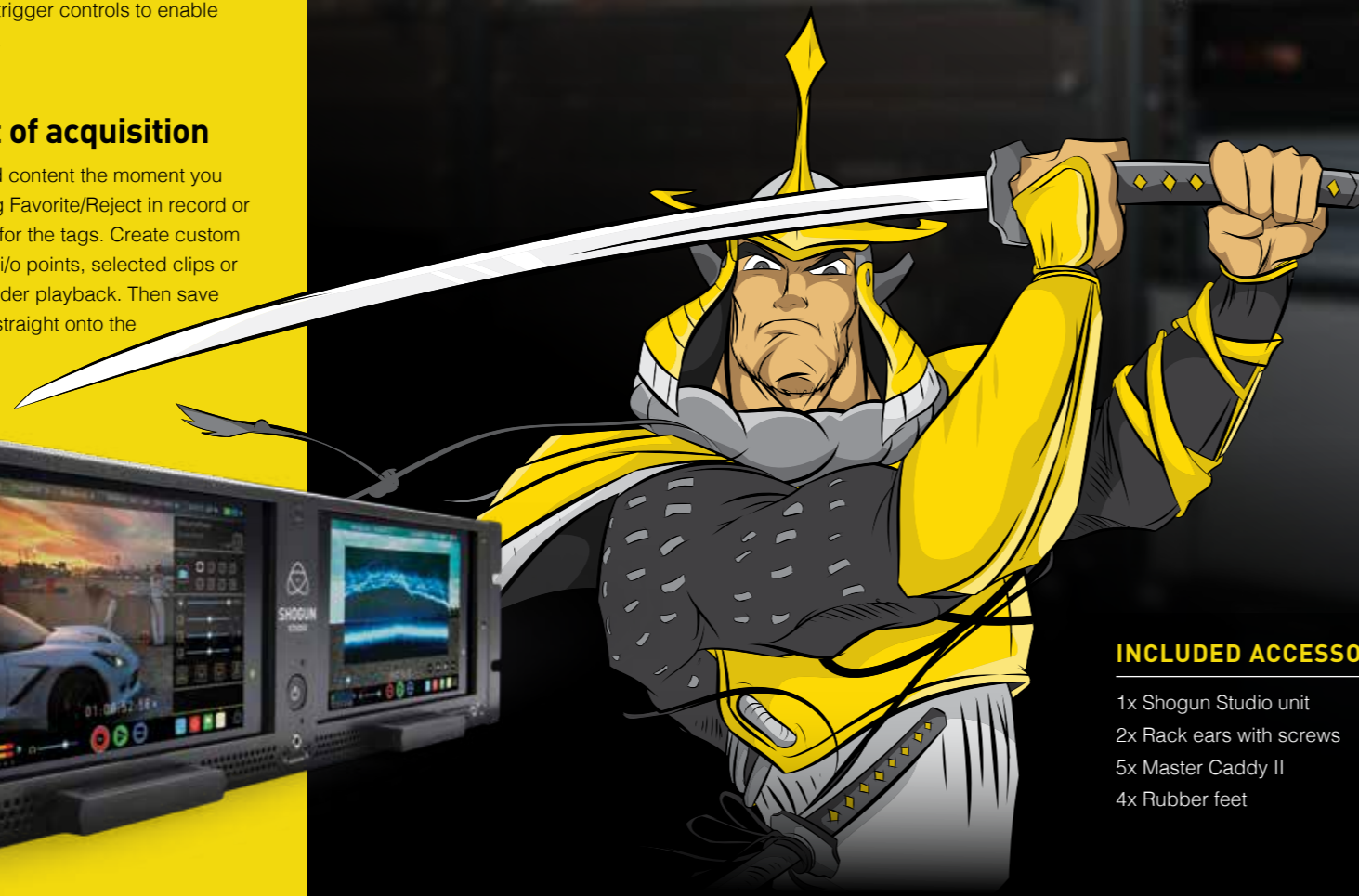
INCLUDED ACCESSORIES

1x Shogun Studio unit
2x Rack ears with screws
5x Master Caddy II
4x Rubber feet

2x Large rubber feet (for elevating the front of the unit)
2x IEC power cable (or external PSU for Japan)
1x Screen cleaning cloth
1x Quick Start Guide

4K 422 10-BIT — Record camera ISO feeds directly from the sensor via HDMI or SDI turning any camera into a studio head. Increased quality 4:2:2 10-bit files in edit ready ProRes/DNxHR/HD formats with file naming & Metadata.

7" IPS SUPERATOM — Spectacular 7.1" 1920x1200 over 320PPI SuperAtom IPS capacitive touch-screen & record indicators. Calibrate in the factory to Rec.709 & calibrate anytime using the optional Spyder unit.

REMOTE CONTROL — SDI & HDMI Rec Start / Stop triggers that can be cascaded across multiple devices as well as the ability to remotely control the Studio via 9pin RS422 Machine control or AMP over Ethernet.

COMPACT DESIGN — Over 6RU worth of functions in just 3RU providing dual channel recording, playback & monitoring with scopes, signal coversion and HD to 4K downscale.

Shogun Studio provide continuous recording for single 4K/HD recording. Perfect long shoots with the ability to automatically record on to the 2nd drive when the first is full.

SSD — We support affordable, readily available HDD or SSD. HDD is the most affordable option for HD. For 4K SSD provide performance and reliability.

HDMI 12/6/3/1.5G SDI — Shogun Studio has both HDMI and 12G SDI in/out (back compatible with 1.5/3/6G SDI). You can convert between HDMI and SDI (both ways) and downscale from 4K to HD on the outputs.

WFM — Monitor more than just the composition of the shot with wave form Luma, RGA parade and vector scope. Check exposure, focus and critical focus with 2:1 zoom.

XLR AUDIO — In addition to the ability to support up to 12 tracks 24bit 48k Audio on SDI, Shogun Studio offers 2 channels XLR in at mic or line level, with 48V phantom and Audio Delay as well as 2 XLR outputs per Recorder.

HDMI HD-SDI — Bi-directional HDMI and SDI conversion as well as loop through of the original signal provides additional flexibility and function in just 3RU.

In Playback mode customer playlists can be created from Favorites (even respecting subclip i/o points), selected clips or a combination of the two.

REDUNDANT POWER — Shogun Studio benefits from redundant dual auto load balancing power supplies and industry standard IEC connectors making it easy to connect to your rack PDU or UPS.

Specifications correct at time of printing E&OE

Standardize Broadcast recording to Hollywood's editing standard

The Ronin has been designed for fixed facility studios and OB vans. Standardize ISO, Live and Switched recording feeds direct to Apple ProRes or Avid DNxHD ready immediately for post production.

Pro Audio to match the Video recording

The Ronin offers 12 channels of HD/SD-SDI embedded 48kHz 16-bit audio and 2 channels of XLR balanced analog 48kHz 16-bit audio, +24dBu clipping level, 96dB SNR and adjustable input gain.

Long record times

The Ronin records direct to high capacity HDD or SSD (1TB = 10hrs ProRes HQ) and for extra long shoots users can loop out to a second Ronin to continue recording as the first one fills.

Ready for Broadcast infrastructure

Rack or desk mountable, rugged housing, XLR audio and AC power with battery backup all point to the fact that the Ronin has been designed ground up with Broadcast in mind.
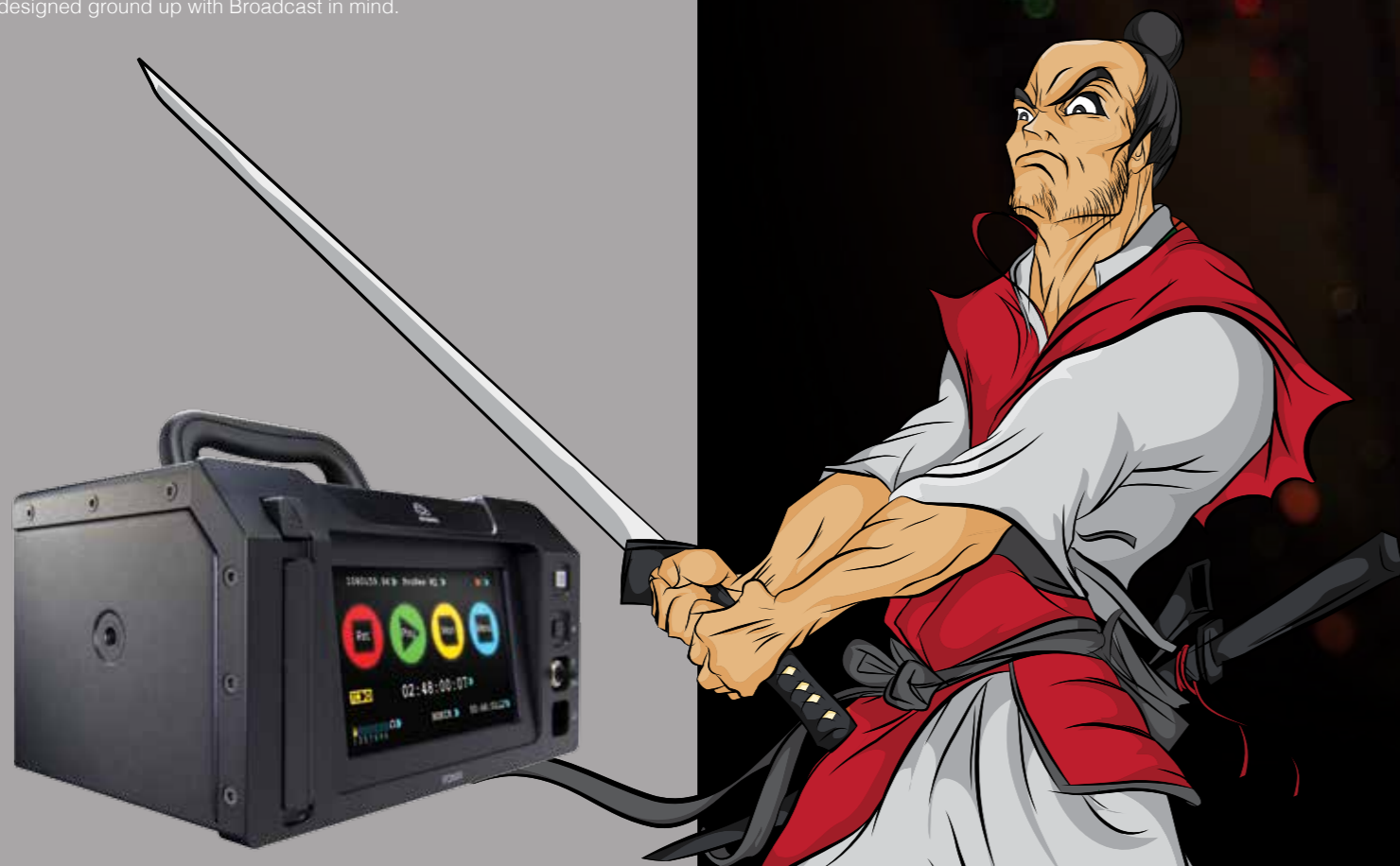
ProRes

Avid DNxHD ®

HD

SD

5" DISPLAY A 5" resistive touchscreen (800 x 480) to navigate menu options and as a comfort monitor during recording.

XLR AUDIO 2 channels of XLR balanced analog (48kHz 16-bit) in addition to the 12 channels embedded in the SDI signal.

SSD HDD We support affordable, readily available HDD or SSD. For mastering and archiving, they outperform DVD's and Blu-ray significantly in size of cost.

DIGITAL DECK Forget buttons & tape, move to touchscreens & HDD/SSD. Adjust audio channels on screen & monitor feeds with intuitive feedback during recording.

START/ STOP TRIGGER The Ronin records direct to high capacity HDD or SSD (1TB & 10hrs ProRes HQ) and for extra long shoots users can loop out to a second Ronin to continue recording as the first one fills.

422 10-BIT HD off the sensor in edit friendly 422 10-bit Apple ProRes & AVID DNxHD. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

AC power drives the Ronin with continuous battery backup for emergency situations.

SWITCHER REC Record your switcher output, final broadcast or ISO's to the highest quality codecs available today

TIMECODE Synchronize with the camera's timecode & record run, free run, time-of-day time codes for independent external recording.

Dual Ronins provide continuous recording for extra long shoots. Loop out to the second Ronin and start recording as the first drive fills.

Dual Ronin also available

Atom**OS**

The Atomos operating system is the heart of what we do, linking our core technologies – Rec, Play, Mon, and Edit with a single-touch, simple user experience across the entire product range.

(Rec) (Play) (Mon) (Edit)

Atom**OS**

FAST & RESPONSIVE. INTUITIVE. CONSTANTLY EVOLVING.

▶ Rec Record to edit friendly formats on affordable reliable media

▶ RECORD FROM ALL CAMERAS

Works with the world's leading camera brands. All your camera needs is a clean HDMI out or SDI out.

For more information see:
www.atomos.com/cameras

ARRI®   Canon   GoPro   JVC
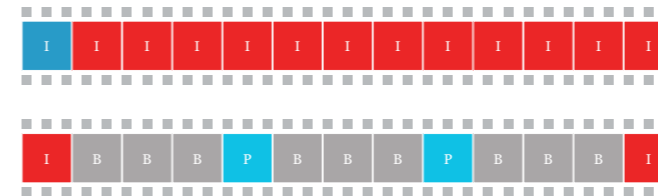Nikon   Panasonic.   PHANTOM   ⬤
SAMSUNG   SONY

▶ RECORD TO ALL MEDIA

Record to a number of approved, affordable, readily available brand of HDD/SSD/CFast.

For more information see:
www.atomos.com/drives

Angelbird   HGST   (intel)   Kingston
OWC   PNY.   SAMSUNG   SanDisk
Seagate   takeMS   TOSHIBA   Transcend

▶ LOSE NOTHING

In internal recordings MPEG formats such as AVC HD, XAVC and H.264/5 codecs often use compression techniques to limit file size. One technique is to use a Group of Pictures or GOP made up of IBP frames. This results in loss of information which is not ideal for post-production work. All Atomos recorders record full resolution I frames (just like film), making post production easier and manipulation of video faster.

▶ MORE COLORS

Recording to 8-bit depth only allows for a maximum of 256 gradations in chroma & luminance. All Atomos monitor-recorders record to 10-bit depth which allows for 1024 gradations of chroma & luminance.

Even if the source is 8-bit, we always record 10-bit depth, populating the 8-bit RGB (256 colors) into the larger 10-bit space, to make combining high bit rate computer graphics and animations easier in post production.

10 BIT COLOR

8 BIT COLOR
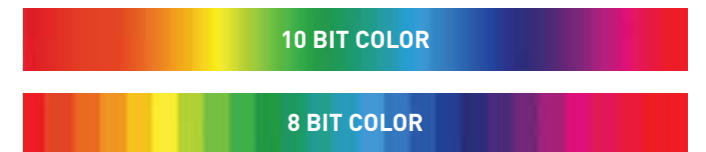
▶ ACCURATE COLORS AND LUMINANCE

4	4	4
Y	Cb	Cr

4	2	2
Y	Cb	Cr

4	2	0
Y	Cb	Cr
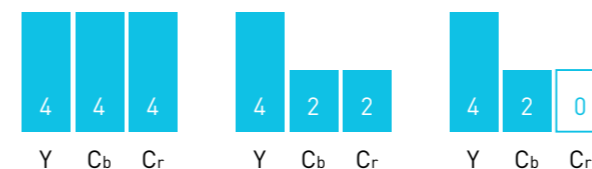
The human visual system is more sensitive to luminance than color information. Atomos monitor-recorders record in 4:2:2 which samples the luma (luminance) at twice the rate of the two chroma (color components). This results in a substantially higher sampling rate and accuracy compared to 4:2:0.

Instantly review & collaborate on set

4K TO HD DOWNSCALE

4K models can downscale to HD for output to lower resolution devices.

CUSTOM PLAYLIST

Create playlist that feature entire playlist or your favorite marked sections.

PLAYBACK CONTROLS

Review footage instantly on the product or out to a larger monitor.

REVIEW WITH CONFIDENCE

Use the suite of monitoring tools to check color, focus, exposure on recorded or uploaded content.

## Super high resolution screens with monitoring tools

Monitor Assist

Focus Assist	Check Focus	Parts of the image in focus indicated by the selected color. Adjust between color, black & white or edge follow focus mode for easy depth of field focusing.
2:1 Zoom	Check focus	Zoom further for critical focus adjustments, 1:1 Zoom is 1/4 of the 4K image, 2:1 Zoom is 1/16 of the 4K image (4K models only).
1:1 Zoom	Check focus	Zoom further for critical focus adjustments, 1:1 Zoom is 1/4 of the 4K image, 2:1 Zoom is 1/16 of the 4K image (4K models only).
Zebra Pattern	Check Exposure	Zebra lines indicate over exposure relevant to the % level set. Rule of thumb is 95% for objects, windows etc. & 75% for human faces.
False Color	Check Exposure	Check different exposure within an image to distinguish between differing skin tones.
Blue only	Check Noise Levels	Displays a black and white image based on the blue channel of the input to observe the noise content of a video image.
Safe Area / Grid Lines	Check Framing	Safe area / grid line overlay to help frame for safe areas, titles safe, centering for 90%, 80% and 4:3. 4K models also feture 2.35 guides.
Calibrate	Check Colors	One button color calibration (AtomOS5 & 6) to SMPTE Rec 709 or Canon's C-Log standard (using optional Spyder calibration unit).

Waveform Monitoring

Luma parade	Check Exposure	Graphs brightness levels from an input source across an image to show underexposed and overexposed areas.
RGB Parade	Check Colors	Separate waveforms of the Red, Green and Blue in an image. Neutral areas of an image should roughly have equal height in the RGB parade.
Vectorscope	Check Exposure	Graphs hue and saturation for colors in an image to determine at a glance if color balancing is required.
Vectorscope Zoom	8:1 scales up view	8:1 scaled up view to assist with very accurate white point adjustment of the image from the camera sensor.

Display Options

3D LUT	Choose LUT	Use the built-in LUTs or upload your own files in the .cube format. Record the LUT, output via HDMI/SDI and monitor with LUT On / Off / 50:50 (4K models only).

# Edit on the fly, finalize in post using your NLE of choice

TAG AS YOU SHOOT OR REVIEW

Tag clips during recording or playback to create an FCPX project with tagged footage.

FAVORITE · REJECT · TALENT 1 · TALENT 2 · OVER EXP · COLOR · BAD AUDIO · CUT AWAY · CLOSE UP · WIDE SHOT
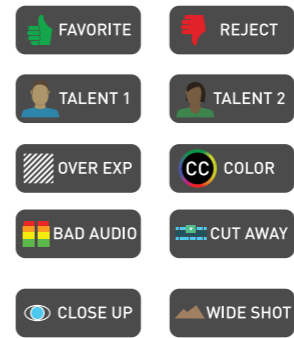
WORKS WITH ALL NLE'S

Dock and drop files straight into the timeline of all major NLE's on both Mac and PC.

Mac or PC

Adobe · FCPX · grass valley A BELDEN BRAND · Avid · AUTODESK · EditShare
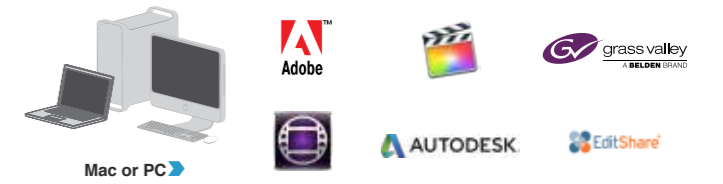
AtomOS Summary

AtomOS	AtomOS 4S	AtomOS 4	AtomOS 5	AtomOS 6.5 and before
Products	Ninja Star	Ninja 2 Ronin	Samurai Blade Ninja Blade	Shogun Ninja Assassin
Rec				
Recording Formats	HD/SD	HD/SD	HD/SD	4K/HD
I frame, 10-bit, 422 recording	x	x	x	x
Embedded timecode	x	x	x	x
File naming and timecode		x	x	x
ProRes and DNxHD (HD) recording	x **	x	x	x
ProRes and DNxHR (4K) recording				x
High frame rate HD recording (50/60/120p)				x
RAW record to ProRes, DNxHR (Sony FS series, Canon)				x***
Cinema 4K DCI - 4096 x 2160 support (RAW only)				x
Pre-roll Record				x
Custom time lapse				x
Play				
Review and edit files	x	x	x	x
Playback controls	x *	x	x	x
HD output to larger TV/monitor	x	x	x	x
Play list				x
4K output to larger TV/monitor				x
4K to HD downscale on loop out, playback (Not RAW)				x
Mon				
Monitor assist tools		x	x	x
Waveform monitoring			x	x
Calibration via optional Spyder			x	x
Menu overlay (menu and recorded footage simultaneously)			x	x
2:1 Zoom / 1:1 Zoom				x
Safe bars 2.35				x
Anamorphic desqueeze				x
3D LUTs				x
Edit				
Tag files on the fly	x	x	x	x
Dock and drop files straight into the NLE timeline	x	x	x	x
Compatible with Mac and PC	x	x	x	x

POWER STATION

EXTEND CAMERA RUNTIME. CHARGE 3x FASTER. CONTINUOUS POWER.

POWER STATION VIDEO

POWER STATION PHOTO

INCLUDED ACCESSORIES

1 x Atomos Power Station
2 x NP-F960 7800mAh Batteries
1 x Soft Carry Case
1 x DC to DC Cable (for Shogun/Ninja Assassin)
1 x 15V 60W AC/DC Adapter
6 x Velcro Straps
5 x Battery Adapters

  1 x Canon LP-EN6 battery adapter for 5D MKIII
  1 x Sony NP-FW50 battery adapter for A7s
  1 x Sony NP-F L series battery adapter for compatible Sony cameras
  1 x Panasonic DMW-BLF19 battery adapter for GH4
  1 x Nikon EN-EL15 battery adapter for D800/D810

INCLUDED ACCESSORIES

1 x Atomos Power Station
2 x NP-F570 2600mAh Batteries
1 x Soft Carry Case
1 x DC to DC Cable (for Shogun/Ninja Assassin)
1 x 15V 60W AC/DC Adapter
3 x Velcro Straps
2x Battery adapters

  1 x Sony NP-FW50 battery adapter for A7s
  1 x Panasonic DMW-BLF19 battery adapter for GH4

Continuous Power
Our patented Continuous Power dual battery system allows batteries to be hot swapped ensuring you will never be without power in the field.
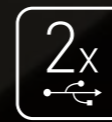
3x Faster Charge
The DC input lets you connect to AC power to charge the provided batteries up to 3x the rate of conventional chargers.

Extend Run Time
With the included batteries you can extend your camera run time beyond the manufacturers own battery capacity.

USB Quick Charge
A flexible dual USB power source allows you to charge 2 USB devices (up to 3A) eg. cameras, tablets & smart phones.

LED Readouts
The independent left and right LED displays on the front of Power Station give a quick 5 step visual guide on the power remaining for each battery from 100% down to 5%.

DC Battery Adapters
Dummy batteries available to power popular cameras such as the Sony A7s/A7RII, Panasonic GH4, Nikon 800/810, Canon 5D MKIII and Sony camcorders using NP-F L series.

Power Output

On DC power	2 DC outputs at 8.4V, 4A Max Total
USB Charging	2 USB outputs at 5V, 3A Max Total
Max Total Output Power	32W
Operational Temperature	0°C - 40°C (32°F 104°F)

Power Input

DC Input voltage	12V to 19V
D-tap input voltage (via adapter)	12V to 19V
Battery input voltage	7.4V System (8.4V Max), 2 slots
Compatible Batteries	Sony NPF series mount. Nikon and Canon batteries via optional Atomos adapters

Weight

Without batteries	143g / 5oz
With batteries	Photo Model 345g / 12.2oz Video Model 719g / 25.4oz
Dimensions (W x H x D mm)	160 x 55 x 35mm
Construction	High quality lightweight ABS Polycarbonate for durability & portability

Battery Management

Battery Charging (on DC power only)	2 x 1.6A fast chargers (approx three hours to simultaneously charge a 2x NP-F570 batteries)
Battery Level Indicators	Charge remaining indicators for both batteries
Continuous Power *Patent Pending	Primary-Secondary battery system. Change batteries without losing power. Loop batteries continuously. Falls back on battery power if mains power lost.

CONNECT
The world's smallest battery powered video converter

10 HRS BATTERY

H2S

S2H

D-Tap/AC Power — External Battery

Internal battery

The internal battery lasts 2 hours & with a fully charged battery mounted lasts 10 hours.

They are stackable too. With the AC power supply included, you can charge up to three Connect units simultaneously.

CONNECT-AC
The world's smallest AC powered video converter

H2S

S2H

Connect AC converters are AC powered with an internal adapter to avoid bulky adapters protruding from the power port. No more wall warts!

Rack Mountable

There is an optional rack mount kit to hold up to 4 Connect AC converters.

Test Pattern & Audio Tone Generator
A test pattern & audio tone generator is built in to use as a line testing tool. A time saver for system technicians & system integrators in the field or in the studio.

3:2 & 2:2 Pulldown
Extract 24P/30P from 60i & 25P from 50i or pSF equivalents in real time.

Timecode & Trigger pass through
Allow for pass through of timecode and start/stop trigger between devices.

Flash light
A built in LED torch so you can see what you're connecting to in the dark.

CONNECT H2S/S2H SPECS

Weight & Dimensions	113g (without battery) / 213g (with battery) 45.0mm (w) x 76.5mm (l) x 34.0mm (h)
Power Consumption	2W while converting
Batteries	• Internal up to 1 hour • 2600mAh - 10hrs (included) • 5200mAh (NP Series, 7.4V - 16.8V) - 20hrs (optional) • 7800mAh - 30hrs (optional) • AC Power Supply 100-240V (included) • DTap Adapter (optional)
Continuous Power (Patent Pending)	Connect acts as a battery, feeding continuous power into your Ninja, Samurai, or another Connect.
Built-in 3:2 Pulldown Removal	• 25PSF (50i)>25P • 30PSF (60i) >30P • 24p (3:2-60i) >24P
Test Pattern Generator	SMPTE 75%, Color Bars 75 & 100%, SDI EQ/PLL Pathological, Audio Tone 1kHz @ -20dBfs

USB Interface	Firmware Update Interface ONLY	
Video Input	**H2S:** HDMI x 1	**S2H:** 3G/HD/SD-SDI x1
Video Out	**H2S:** 3G/HD/SD-SDI x 2	**S2H:** 3G/HD/SD-SDI x1 and HDMI x1
Audio (In/Out)	Embedded Audio 2ch, 24, 20 or 16-bit	
Timecode & Rec Trigger Exchange	**SDI:** Sony, Canon, Panasonic, Arri, RED **HDMI:** Sony, Canon Timecode, Canon Start/Stop	
Supported Formats (In/Out)	1080p60, 1080p59.94, 1080p50, 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p29.97,1080p25, 1080p24, 1080p23.98, 1080pSF30, 1080pSF29.97, 1080pSF25, 1080pSF24,1080pSF23.98, 720p60, 720p59.94, 720p50, 486i59.94, 480i59.94, 576i50	

All specifications correct when published, subject to E&OE.

CONNECT-AC S2H / CONNECT-AC H2S SPECS

Weight & Dimensions	115g (without battery) / 215g (with battery) 85.0mm (w) x 90.0mm (l) x 25.0mm (h)
AC Power	100-240VAC, 0.2A, 50-60Hz
Power Consumption	2W while converting
2:2 Pulldown Removal	• 25PSF (50i)>25P • 30PSF (60i) >30P • 24PSF > 24P
Test Pattern Generator	SMPTE 75%, Color Bars 75 & 100%, SDI EQ/PLL Pathological, Audio Tone 1kHz @ -20dBfs
USB Interface	Firmware Update Interface ONLY

Video Input	**S2H:** 3G/HD/SD-SDI x 1 **H2S:** HDMI x 1
Video Out	**S2H:** 3G/HD/SD-SDI x 1 and HDMI x 1 **H2S:** 3G/HD/SD-SDI x 2
Audio (In/Out)	Embedded Audio 2ch, 16, 20 or 24-bit
Timecode & Rec Trigger Exchange	**SDI:** Sony, Canon, Panasonic, Arri, RED **HDMI:** Sony, Canon Timecode, Canon Start/Stop
Supported Formats (In/Out)	1080p60, 1080p59.94, 1080p50, 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p29.97,1080p25, 1080p24, 1080p23.98, 1080pSF30, 1080pSF29.97, 1080pSF25, 1080pSF24,1080pSF23.98, 720p60, 720p59.94, 720p50, 486i59.94, 480i59.94, 576i50

All specifications correct when published, subject to E&OE.

Features & functionality with the Pro video user in mind.

Angled connector for the Ninja Star to ensure it's small footprint is maintained.

Coiled cable to give flexibility on the rig, extending & retracting as you need to minimize clutter.

By going to the minimal tolerance in the HDMI specification, our tight fitting connectors avoid the frustration of cables pulling out of your device.

Sunhood
To prevent the glare from the sun washing out your image in the field, we have developed a light weight, collapsible sunhood for the Ninja 2, Ninja/Samurai Blade, Ninja Assassin & Shogun that simply screws into the top mounting hole of the monitor.

Armor Bumper
The Armor bumper has been designed to snugly fit around our 7" Ninja Assassin and Shogun models to provide protection against knocks and bumps. It is available in 2 colors (Red and Black), easy to apply & remove and features a kickstand for playback and review on set.

LCD Protector
The Matte LCD protector sheet when applied to Shogun and Ninja Assassin models reduces the effects of glare, reflections, scratches and dust.

Travel Case
The travel case available for Shogun, Ninja Assassin & Blade series, is a sturdy, lightweight, small footprint case to fit our 7" Shogun / Ninja Assassin models along with a few accessories (e.g. AC power supply and a spare Master Caddy).

Hard Case
The hard carry case and replacement foams can be purchased separately for Shogun, Ninja Assassin, Samurai Blade, Ninja Blade and Ninja2 models.

Spyder
Even monitors calibrated out of the box drift in color over time. Usually only found in more expensive monitors, the Spyder (developed by Datacolor) allows our Shogun, Ninja Assassin & Blade range to be calibrated on the go in 3 simple steps.

Part Number	Connectors	Coiled	Length (cm)	Length (inches)
ATOMCAB005	Right angled Micro HDMI to Micro HDMI	Coiled	30cm (45cm extended)	12" (18" extended)
ATOMCAB006	Right angled Micro HDMI to Mini HDMI	Coiled	30cm (45cm extended)	12" (18" extended)
ATOMCAB007	Right angled Micro HDMI to Full HDMI	Coiled	30cm (45cm extended)	12" (18" extended)
ATOMCAB008	Full HDMI to Mini HDMI	Coiled	30cm (45cm extended)	12" (18" extended)
ATOMCAB009	Full HDMI to Mini HDMI	Coiled	50cm (65cm extended)	20" (26" extended)
ATOMCAB010	Full HDMI to Full HDMI	Coiled	30cm (45cm extended)	12" (18" extended)
ATOMCAB011	Full HDMI to Full HDMI	Coiled	50cm (65cm extended)	20" (26" extended)
ATOMCAB012	Straight Micro HDMI to Straight Micro HDMI	Straight	50cm	20"
ATOMCAB013	Right angled Micro HDMI to Full HDMI Cable	Coiled	50cm (65cm extended)	20" (26" extended)
ATOMCAB014	Micro HDMI (Cameras) to Full HDMI Cable	Coiled	50cm (65cm extended)	20" (26" extended)
ATOMCAB015	Micro HDMI (Cameras) to Full HDMI Cable	Coiled	30cm (45cm extended)	12" (18" extended)
ATOMCAB016	XLR Breakout cable for Shogun	Straight	28cm	11"

CFast Media
CFast speed & size, made affordable by Atomos

Specs	ATOMCFT64	ATOMCFT128	ATOM2CF128
Size	64GB*	128GB*	128GB*
CFast version	CFast 1.0		CFast 2.0
Write Speed	80MB/s		300MB/s
Read Speed	200MB/s		400MB/s
Operating temperature	-25 to 45 degrees Celsius		
	-13 to 113 degrees Fahrenheit		

* Some of the listed storage capacity is used for formatting and other purposes and is not available for data storage

EDUCATION DISCOUNT

25%
EDUCATION
D I S C O U N T

Atomos offer **25% OFF MSRP** for those enrolled in media/film/ photo studies or purchasing on behalf of a University/school at approved institutions.

For more details visit
www.atomos.com/school

EXTENDED WARRANTY

3YR
WARRANTY
REGISTERED PRODUCTS

Extended Warranty
Registering your Atomos product is easy and rewarding.

You'll be the first to know about new features and firmware and your warranty will be tripled from the standard 1 year to 3 years warranty (extended warranty applies to Atomos product greater than $500 MSRP on products registered within 1 year of purchase)

Learn more and register your product at
www.atomos.com/registration

ACCESSORIES

SPYDER TO SERIAL CABLE
Serial cable for use non-Atomos Datacolor calibration units (Shogun, Ninja Assassin, Blade series)

SUNHOOD
Shogun, Samurai Blade, Ninja Blade, Ninja 2, Ninja Assassin

HDD/SSD CADDIES x 5
For all Recorders

DOCKING STATION
Shogun, Samurai Blade, Ninja Blade, Ninja 2

CFAST READER

CANON & NIKON BATTERY ADAPTER

AC POWER ADAPTER
Samurai Blade, Ninja Blade, Ninja 2

SINGLE BATTERY CHARGER

D-TAP ADAPTER
For Shogun, Ninja Assassin, Samurai Blade, Ninja Blade, Ninja 2

CONNECT-AC RACK KIT
Fits four Connect-ACs

RONIN RACK KIT
Fits two Ronins

XLR BREAKOUT CABLE
Replacement breakout XLR cable for Shogun

SPECIFICATIONS	SHOGUN	NINJA ASSASSIN	SAMURAI BLADE
Weight			
Without batteries & media	460g / 16oz	430g / 15.2oz	345g / 12oz
With batteries & media	732g / 26oz	702g / 24.2oz	696g / 25oz
Dimensions (W x H x D mm)	196 x 110 x 47mm, 7.7 x 4.3 x 1.85"	196 x 110 x 47mm, 7.7 x 4.3 x 1.85"	153 x 87 x 48mm, 6.0 x 3.4 x 1.9"
Construction	High quality lightweight ABS Polycarbonate for durability & portability	High quality lightweight ABS Polycarbonate for durability & portability	Aircraft-grade Aluminum for durability & portability
Power			
Operating power	10 - 20W	10 - 20W	3.3W (monitoring only) / 6.8W (Rec, Mon, Play)
Compatible batteries	NP series, D-Tap and supporting accessories	NP series, D-Tap and supporting accessories	NP series, D-Tap and supporting accessories
Input voltage (battery)	6.2V to 16.8V	6.2V to 16.8V	6.2V to 16.8V
Battery time (based on 7.4V)	-	5200mAh - up to 1.5hrs (monitor & record 4K)	2600mAh - up to 4hrs
	5200mAh - up to 1.5hrs (monitor & record 4K)	7800mAh - up to 2.2hrs (monitor & record 4K)	5200mAh - up to 8hrs
	7800mAh - up to 2.2hrs (monitor & record 4K)		7800mAh - up to 12hrs
DC In	1 x DC in (6.2 - 16.8V)	1 x DC in (6.2 - 16.8V)	-
Continuous power * Patent pending	via optional Power Station	via optional Power Station	Primary-secondary battery system Change batteries without losing power Loop batteries continuously
Touchscreen			
Size	7.1"	7.1"	5"
Resolution	1920 x 1200	1920 x 1200	1280 x 720
PPI	Over 320	Over 320	325
Aspect ratio	16:9 native	16:9 native	16:9 native / 4:3 Letterbox
Color standard	REC709 HDTV	REC709 HDTV	REC709 HDTV
Look up table (LUT) support	3D LUT (.cube file format)	3D LUT (.cube file format)	1D LUT
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder
Video input/loop out			
HDMI	1 x HDMI (1.4b)	1 x HDMI (1.4b)	-
SDI	1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)	-	1 x HD/SD-SDI (SMPTE)
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)
Video output (play out)			
HDMI	1 x HDMI (1.4b)	1 x HDMI (1.4b)	-
SDI	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)	-	1 x HD/SD-SDI (SMPTE)
Signal	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)
Supported loop out formats			
HDMI to HDMI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30	-
SDI to SDI	720p 50/60, 1080i 50/60 1080pSF 24/25/30 1080p 24/25/30/50/60/120*, 2160p 24/25/30	-	720p 50/60, 1080i 50/60 1080pSF 24/25/30 1080p 24/25/30
Video signal conversion			
HDMI to SDI	720p 50/60, 1080i 50/60 1080p 24/25/30/50/60/120*, 2160p 24/25/30	-	-
SDI to HDMI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30	-	-
Supported formats (Record & Playback)			
4K	2160p 24/25/30	2160p 24/25/30	-
HD - high frame rate**	1080p120*, 1080p60/50	1080p120*, 1080p60/50	-
HD**	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50, SD 480i, 576i
4K UHD downscale for HD monitoring	Yes - loop-out & playback (not available in RAW)	Yes - loop-out & playback	-
Anamorphic de-squeeze	2x, 1.5x, 1.33x, Panasonic 8:3	2x, 1.5x, 1.33x, Panasonic 8:3	-

NINJA BLADE	NINJA 2	NINJA STAR	SPECIFICATIONS
			Weight
311g / 11oz	300g / 11oz	130g / 4.6oz	Without batteries & media
662g / 23oz	651g / 23oz	249g / 8.8oz	With batteries & media
136 x 87 x 48mm, 5.4 x 3.4 x 1.9"	115 x 87 x 41mm, 4.5 x 3.4 x 1.6"	95 x 60 x 25mm, 3.7 x 2.4 x 1.0"	Dimensions (W x H x D mm)
Aircraft-grade Aluminum for durability & portability	Aircraft-grade Aluminum for durability & portability	Aircraft-grade Aluminum for durability & portability	Construction
			Power
3.3W (monitoring only) / 6.8W (Rec, Mon, Play)	3.3W (monitoring only) / 6.0W (Rec, Mon, Play)	3.5W / 4.5W (Rec,Play)	Operating power
NP series, D-Tap and supporting accessories	NP series, D-Tap and supporting accessories	NP series, D-Tap and supporting accessories	Compatible batteries
6.2V to 16.8V	6.2V to 16.8V	6.2V to 16.8V	Input voltage (battery)
2600mAh - up to 4hrs	2600mAh - up to 5hrs	2600mAh - up to 5hrs	Battery time (based on 7.4V)
5200mAh - up to 8hrs	5200mAh - up to 9hrs	5200mAh - up to 9hrs	
7800mAh - up to 12hrs	7800mAh - up to 14hrs	7800mAh - up to 14hrs	
-	-	-	DC In
Primary-secondary battery system Change batteries without losing power Loop batteries continuously	Primary-secondary battery system Change batteries without losing power Loop batteries continuously	via optional Power Station	Continuous power * Patent pending
			Touchscreen
5"	4.3"	-	Size
1280 x 720	800 x 480	-	Resolution
325	220	-	PPI
16:9 native / 4:3 Letterbox	16:9 native / 4:3 Letterbox	-	Aspect ratio
REC709 HDTV	SMPTE	-	Color standard
1D LUT	-	-	Look up table (LUT) support
SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder	LCD (Resistive touch)	-	Technology
			Video input/loop out
1 x HDMI (1.1)	1 x HDMI (1.1)	1 x HDMI Micro (1.1)	HDMI
-	-	-	SDI
Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Signal
			Video output (play out)
1 x HDMI (1.4)	1 x HDMI (1.4)	1 x HDMI Micro (1.4)	HDMI
-	-	-	SDI
Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Signal
			Supported loop out formats
SD 480i, 576i 1280 x 720p 50/60 1920 x 1080i 50/60 1920 x 1080p 24/25/30	SD 480i, 576i 1280 x 720p 50/60 1920 x 1080i 50/60 1920 x 1080p 24/25/30	SD 480i, 576i 1280 x 720p 50/60 1920 x 1080i 50/60 1920 x 1080p 24/25/30	HDMI to HDMI
-	-	-	SDI to SDI
			Video signal conversion
-	-	-	HDMI to SDI
-	-	-	SDI to HDMI
			Supported formats (Record & Playback)
-	-	-	4K
-	-	-	HD - high frame rate**
1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50, SD 480i, 576i	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50, SD 480i, 576i	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50, SD 480i, 576i	HD**
-	-	-	4K UHD downscale for HD monitoring
-	-	-	Anamorphic de-squeeze

Specifications correct at time of printing E&OE
* Available in a future firmware update.

Specifications – Page 40

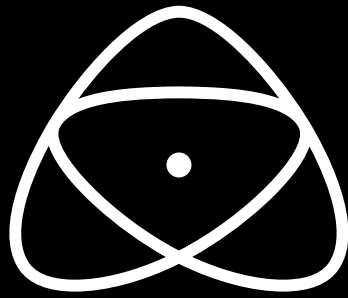| SPECIFICATIONS	SHOGUN		NINJA ASSASSIN		SAMURAI BLADE	
Realtime hardware encoding						
4K - DCI RAW 4096x2160 to Supported cameras; Sony FS700, FS7 Canon C300MKII, C500	Apple ProRes HQ, 422, LT	DNxHR HQX, HQ, SQ, LB	-		-	
4K-UHD 3840x2160 8/10-bit 4:2:2 to	Apple ProRes HQ, 422, LT	DNxHR HQX, HQ, SQ, LB	Apple ProRes HQ, 422, LT	DNxHR HQX, HQ, SQ, LB	-	
1920x1080 8/10-bit 4:2:2 to	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36
Onboard processing						
Pulldown removal	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)		24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)		24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)	
Audio in/out (48kHz PCM audio)						
HDMI	2 or 8ch 24-bit, camera dependent		2 or 8ch 24-bit, camera dependent		-	
SDI	12ch 48kHz 24-bit		-		12ch 48kHz 16-bit	
Audio	2ch balanced XLR analog in/out Dynamic range >90dB Max signal level +24dBu Max analog gain +40dB 48V Phantom Power for Mic		Line in / Headphone out 2ch 48kHz 24-bit		Line in / Headphone out 2ch 48kHz 16-bit	
Remote start/stop						
HDMI	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard		Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard		-	
SDI	SDI trigger camera selectable		-		SDI trigger camera selectable	
Other	LANC control - Slave		LANC control - Slave		LANC control – Slave	
Playback						
Playlist	Yes		Yes		-	
Genlock	Yes		-		-	
Recording						
Pre-roll record	Yes (HD 8s, 4K 2s)		Yes (HD 8s, 4K 2s)		-	
Custom timelapse	Yes		Yes		-	
Meta data tagging	Yes (10 tags available)		Yes (10 tags available)		Yes (Favorite, Reject)	
Supported media (Approved List Only)	4K / HD (50/60/120p*) CFast 2.0, SSD 2.5", HDD (7,200 up to 1080p60) HD CFast 1.0, SSD 2.5", HDD (5,400 up to 1080p30)		4K / HD (50/60/120p*) CFast 2.0, SSD 2.5", HDD (7,200 up to 1080p60) HD CFast 1.0, SSD 2.5", HDD (5,400 up to 1080p30)		SSD 2.5" HDD (5,400 to 7,200rpm)	
Master caddy case	Master Caddy II (included) 75mm x 105mm x 12mm		Master Caddy II (included) 75mm x 105mm x 12mm		Master Caddy 1 (included) 75mm x 105mm x 12mm	
Master caddy dock	2.5" SATA to USB 2.0/3.0		2.5" SATA to USB 2.0/3.0 (Optional Accessory)		2.5" SATA to USB 2.0/3.0	
Supported applications	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015		Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015		Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	
XML support	FCPX XML native, FCP7 supported with conversion (Adobe compatible)		FCPX XML native, FCP7 supported with conversion (Adobe compatible)		FCPX XML native, FCP7 supported with conversion (Adobe compatible)	
Accessories included	Shogun unit, Custom HPRC Italian made carry case, 9V-3A AC adapter, Master Caddy II x 5, D-Tap adapter, 1 x 5200 mAh battery, Battery charger, XLR breakout cable, SATA 3/2 to USB 3/2 HDD/SSD docking station		Ninja Assassin unit, EVA soft carry case, 9V-3A AC adapter, Master Caddy II x 1, Red Ninja Assassin Armor Bumper		Samurai Blade unit, Universal battery charger 110-240V, AC adapter & car charger, docking station & leads, 2 x master caddy cases, 1 x Atomos 2600mAh battery, Rugged carry case, D-Tap adapter, 2.5mm "Y" adapter cable for LANC	
Optional extras	Sunhood, Power Station, Spyder calibration		Sunhood, Power Station, Spyder calibration, Master Caddy II x 5, D-Tap adapter, 5200 mAh battery, Battery charger, SATA 3/2 to USB 3/2 HDD/SSD docking station, HDMI cables		5 x Master caddy cases, Sunhood, Carry cases, Canon & Nikon adapter plates, Connect H2S converter, Connect S2H converter, Power Station	

Specifications – Page 41

NINJA BLADE		NINJA 2		NINJA STAR		SPECIFICATIONS
						Realtime hardware encoding
-		-		-		4K - DCI RAW 4096x2160 to Supported cameras; Sony FS700, FS7 Canon C300MKII, C500
-		-		-		4K-UHD 3840x2160 8/10-bit 4:2:2 to
Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	1920x1080 8/10-bit 4:2:2 to
						Onboard processing
24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)		24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)		24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)		Pulldown removal
						Audio in/out (48kHz PCM audio)
2ch 48kHz 16-bit		2ch 48kHz 16-bit		2ch 48kHz 16-bit (no gain control)		HDMI
-		-		-		SDI
Line in / Headphone out 2ch 48kHz 16-bit		Line in / Headphone out 2ch 48kHz 16-bit		Line in 2ch 48kHz 16-bit		Audio
						Remote start/stop
Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard		Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard		Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard		HDMI
-		-		-		SDI
LANC control – Slave		-		-		Other
						Playback
-		-		-		Playlist
-		-		-		Genlock
						Supported formats (in/out)
-		-		-		Pre-roll record
-		-		-		Custom timelapse
Yes (Favorite, Reject)		Yes (Favorite, Reject)		Yes (Favorite, Reject)		Meta data tagging
SSD 2.5" HDD (5,400 to 7,200rpm)		SSD 2.5" HDD (5,400 to 7,200rpm)		Atomos CFast & approved 3rd party CFast		Supported media (Approved List Only)
Master Caddy 1 (included) 75mm x 105mm x 12mm		Master Caddy 1 (included) 75mm x 105mm x 12mm		-		Master caddy case
2.5" SATA to USB 2.0/3.0		2.5" SATA to USB 2.0/3.0		USB 2.0/3.0 CFast card reader		Master caddy dock
Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015		Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015		Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015		Supported applications
FCPX XML native, FCP7 supported with conversion (Adobe compatible)		FCPX XML native, FCP7 supported with conversion (Adobe compatible)		FCPX XML native, FCP7 supported with conversion (Adobe compatible)		XML support
Ninja Blade unit, Universal battery charger 110-240V, AC adapter & car charger, docking station & leads, 2 x master caddy cases, 1 x Atomos 2600mAh battery, Rugged carry case, Canon & Nikon adapter plates, 2.5mm "Y" adapter cable for LANC		Ninja 2 unit, Universal battery charger 110-240V, docking station & leads, 2 x master caddy cases, 1 x Atomos 2600mAh battery, Canon & Nikon adapter plates		Ninja Star unit, Universal battery charger 110-240V, AC adapter & car charger, CFast card reader, 1 x Atomos 2600mAh battery, Rugged carry case, Cheese plate mounting adapter		Accessories included
5 x Master caddy cases, Sunhood, D-Tap adapter, Carry cases, Connect H2S converter, Connect S2H converter, Power Station		5 x Master caddy cases, Sunhood, D-Tap adapter, car adapter, Carry cases, Connect H2S converter, Connect S2H converter, Power Station		D-Tap adapter, Canon & Nikon adapter plates, Connect H2S converter, Connect S2H converter, CFast cards, Atomos specialty HDMI cables, Power Station		Optional extras

Specifications correct at time of printing E&OE
* Available in a future firmware update.

SPECIFICATIONS	SHOGUN STUDIO	RONIN
Weight & dimensions		
Weight	5.0kg / 11lb	1.8kg / 3lb 15oz (Ronin) 4.8kg / 10lb 9oz (Ronin Duo)
Rack height	3Ru	3Ru
Rack mounting	Removable rack ears	Optional rack shelf
Dimensions (W x H x D mm)	447 x 152 x 251mm, 17.6 x 6.0 x 9.9" (without rack ears) 490 x 152 x 251mm, 19.3 x 6.0 x 9.9" (with rack ears)	202 x 120 x 160mm, 8.0 x 4.7 x 6.3" (Ronin) 490 x 120 x 160mm, 19.3 x 4.7 x 6.3" (Ronin Duo)
Construction	Steel construction for durability	Steel construction for durablility
Cooling	Actively controlled fan with heat sinks	Heat sink, fanless
Power		
Operating power	20 - 60W	3.3W (monitoring only) / 6.8W (Rec, Mon, Play)
Redundant PSU	Yes	No
Compatible batteries	No	NP series, D-Tap and supporting accessories
Input voltage (battery)	-	6.2V to 16.8V
DC Out	No	Yes
Continuous power * Patent pending	-	AC, battery & DC
Touchscreen		
Size	7.1"	5"
Resolution	1920 x 1200	800 x 480
PPI	320	220
Aspect ratio	16:9 native	16:9 native / 4:3 Letterbox
Color standard	Rec.709 HDTV	SMPTE
Look up table (LUT) support	3D LUT (.cube file format)	No
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder	LCD (resistive touch)
Video analysis tools	Luma waveform, RGB parade, Vectorscope, Vectorscope zoom	No
Calibration	Calibration in factory to Rec.709, in field calibration with optional Spyder	No
Video input/loop out		
HDMI	1 x HDMI (1.4b) per channel	No
SDI	1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE) per channel	1 x HD/SD-SDI 1.5G (SMPTE)
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)
Video output (play out)		
HDMI	1 x HDMI (1.4b) per channel	No
SDI	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE) per channel	1 x HD/SD-SDI 1.5G (SMPTE)
Signal	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)

Supported formats (Record & Playback)				
4K - DCI RAW 4096x2160 to Supported cameras; Sony FS700, FS7 Canon C300MKII, C500	Apple ProRes HQ, 422, LT	DNxHR HQX, HQ, SQ, LB	No	No
4K-UHD 3840x2160 8/10-bit 4:2:2 to	Apple ProRes HQ, 422, LT	DNxHR HQX, HQ, SQ, LB	No	No
1920x1080 8/10-bit 4:2:2 to	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36
1280x720 8/10-bit 4:2:2 to	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36	Apple ProRes HQ, 422, LT	DNxHD 220x, 220, 145, 36

Onboard processing		
Pulldown removal	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)
HDMI <> SDI conversion	Yes - Always on	via optional Connect converter
4K - UHD to HD downscale	On HDMI/SDI loop out (Rec & Playout)	No

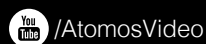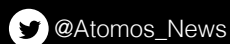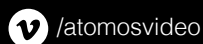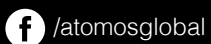| SPECIFICATIONS	SHOGUN STUDIO	RONIN
Audio in/out (48kHz PCM audio)		
HDMI	2 or 8ch 24-bit, camera dependent	No
SDI	12ch 48kHz 24-bit	12ch 48kHz 16-bit
Analogue audio	2 x XLR in & 2 x XLR out on rear per record channel. Mic or line level with phantom 48V	2 x XLR in & 2 x XLR out on rear per record channel.
Processing	Gain control on line in & headphone output	Gain control on line in & headphone output
Maximum audio quality	24-bit, 48kHz	16-bit, 48kHz
Audio delay	Delay setting +1 to 99 frames	No
Remote control		
HDMI	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard	No
SDI	SDI trigger camera selectable	SDI trigger camera selectable
RS422	RS422 machine control	No
AMP	via Ethernet RJ45 10/100	No
Serial	Calibration (front)	LANC control - slave
Timecode		
HDMI	Embedded timecode from camera or video device	No
SDI	Embedded timecode from camera or video device	Embedded timecode from camera or video device
LTC In	Yes (LTC loop back)	No
GenLock In	Yes (GenLock loop back)	No
Playback		
Playlist	Yes (run down or reverse order) for selected, favorite or all clips	No
Playback options	Loop in & out markers	Loop in & out markers
Recording		
Dual channel	Record 4K master with HD proxies. Record both ProRes & DNxHR versions, independent dual channel record.	No
Continuous record	Single channel 4K / HD recording automatically switches between drive when at capacity	No
Pre-roll record	Yes (HD 8s, 4K 2s)	No
Custom timelapse	Yes (Key frameable up to 10 video and single frame Intervals, can be triggered from internal clock).	No
Meta data tagging	Yes (10 tags available)	Yes (Favorite, Reject)
Recording media		
Drive slots	2 (1 per record channel)	1 per device
Drive connection types	SATA	SATA
Supported media (Approved List Only)	4K / HD (50/60/120p*) CFast 2.0, SSD 2.5", HDD (HD 50/60 only - 7,200 up to 1080p60) HD CFast 1.0, SSD 2.5", HDD (5,400 up to 1080p30)	HD CFast 1.0, SSD 2.5", HDD (5,400 up to 1080p30)
Master caddy case	Master Caddy II (included) 75mm x 105mm x 12mm	Master Caddy I (included) 75mm x 105mm x 12mm
Master caddy dock	2.5" SATA to USB 2.0/3.0	2.5" SATA to USB 2.0/3.0
Supported applications	FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+, EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015
XML support	FCPX XML native, FCP7 supported with conversion (Adobe compatible)	FCPX XML native, FCP7 supported with conversion (Adobe compatible)
Accessories included	Shogun Studio unit, 2x Rack ears with screws, 5x Master II Caddies 4x Rubber feet, 2x Large rubber feet, 2x IEC power cable, 1x Screen cleaning cloth	Ronin unit, docking station & leads, 5 x master caddy cases, 2 x Atomos 2600mAh battery, D-Tap adapter
Optional extras	Master Caddy II x 5, Spyder calibration	Rack mount adapter, Connect H2S converter, Connect s2H converter
Warranty	1 year. Extended to 3 years on product registration	1 year. Extended to 3 years on product registration

Specifications correct at time of printing E&OE
* Available in a future firmware update.

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