

ATOMOS





Creativity Weapons.

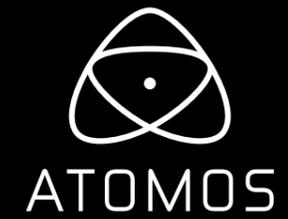
We exist to make life easy for professional camera guys, providing simple affordable tools that let creative people be creative. For every shooter, from DSLR to Broadcast to Cinema, and everyone involved in post production, Atomos make creativity weapons that smash media costs, cut through the number of devices needed on set, stamp out time spent in post production and annihilate setup complexity.

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

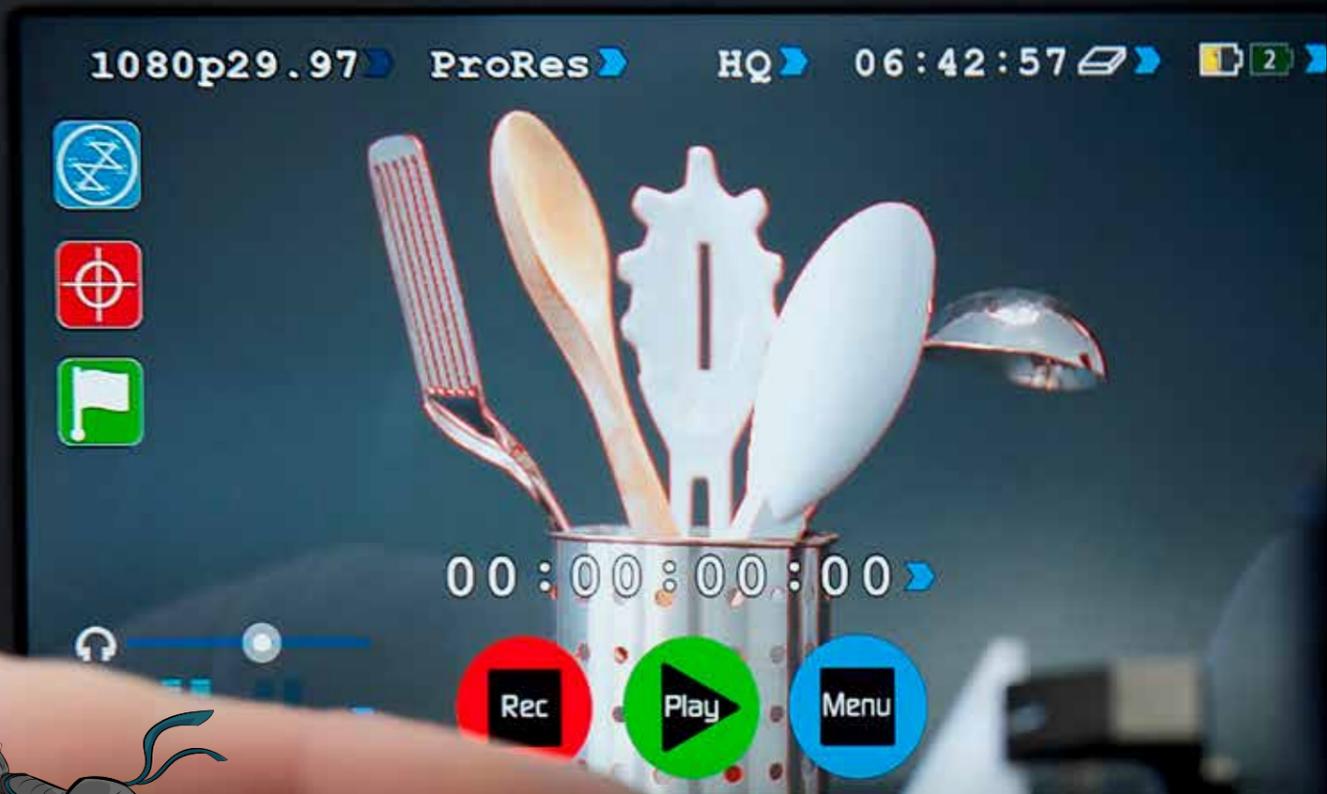
What We Do	04
AtomOS	06
Shogun	10
Samurai Blade	12
Ninja Blade	14
Ninja 2	16
Ninja Star	18
Ronin	20
Converters	22
Powerstation	24
Cables	26
Accessories	27
Specifications	28



What We Do



Atomos create touchscreen weapons for the world's leading cameras, combining multiple devices (external monitor, capture card, playback deck and cut edit suite) into a single affordable tool.



It starts with a killer monitor – extremely high resolution, crystal clear detail & accurate colors. We add in monitoring tools for accurate shot setup and house it all in a lightweight, durable aircraft grade Aluminum housing.



Slide in your choice of affordable readily available SSD/HDD & record direct from the camera's sensor to edit friendly codecs like Apple ProRes & DNxHD at the 10-bit quality levels demanded in post production.



Play back & review your shots instantly, or upload rushes on the fly – whether it's on set with a director, at a bar with a client or heading home in a plane – check framing, focus and exposure using our suite of monitoring tools on screen. View on screen or out to a larger TV or monitor.



Eliminate the time cut editing in post production by tagging in/out favorite scenes on the fly. Finish the shoot, dock to your PC or MAC & drop the files straight on to the timeline in Final Cut Pro, Adobe Premiere or your NLE of choice.



The Atomos operating system is the heart of what we do. It delivers our killer hardware features in a way that ensures the user experience is nothing short of awesome.



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 and our products are ready to record.



RECORD TO ALL MEDIA

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



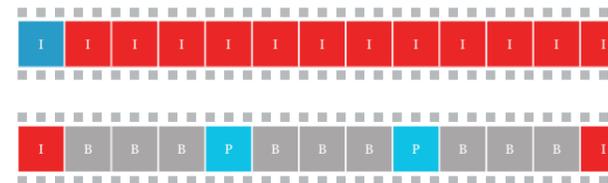
For more information see:
www.atomos.com/discovery-what-drives

RECORDING FORMATS

4K	4Kp30*	HD	1080p120*	1080p50*	1080p29.97	1080pSF29.97	720p60	SD	486i59.94
	4Kp29.97*		1080p119.88*	1080i60	1080p25	1080pSF25	720p59.94		576i50
	4Kp25*		1080p100*	1080i59.94	1080p24	1080pSF24	720p50		
	4Kp24*		1080p60*	1080i50	1080p23.98	1080pSF23.98			
	4Kp23.98*		1080p59.94*	1080p30	1080pSF30	720p120			

* Atomos Shogun only

LOSE NOTHING



In internal recordings AVCHD and H.264 codecs often use compression techniques to limit file size. One technique is IBP frames where the BP frames reference the I frames. This results in loss of information which is not ideal for post-production work. All Atomos recorders record full I frames for all frames making post production easier and manipulation of video faster.

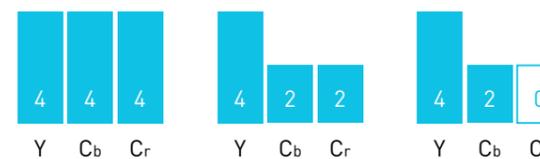
MORE COLORS

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 a whopping 1024 gradations of chroma & luminance.



Even if we receive 8-Bit video as a source, we always record 10-Bit depth, to make combining high bit rate computer graphics and animations easier in post production.

ACCURATE COLORS AND LUMINANCE



The human visual system is more sensitive to luminance than the position and motion of color. Atomos monitor-recorders record in 4:2:2 which samples the luma (luminance) at twice the rate of the two chroma (color components). This reduces the bandwidth with virtually no visual difference to 4:4:4 unlike 4:2:0 and higher compression standards.



Instantly review & collaborate on set



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



Reviewing & editing files recorded or uploaded to the disc caddy.



Playback controls



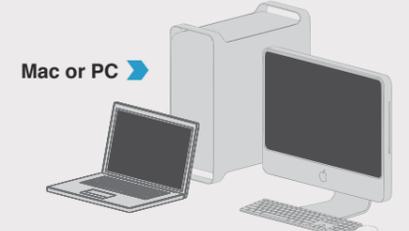
File naming & timecode needed for online / offline workflows to match footage & conform.



Dock & drop files straight into the timeline of all major NLE's.



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



Compatible with Mac & PC.



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.
	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
	Calibrate	Check Colors	One button color calibration (AtomOS5 & 6) to SMPTE Rec 709 or Canon's C-Log standard.



Waveform Monitoring

	Luma overlay	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.

AtomOS Summary

AtomOS	AtomOS 4S	AtomOS 4	AtomOS 5	AtomOS 6	AtomOS 6.x
Availability	Now	Now	Now	Shogun release	Our future proof platform capable of the following in the future
Products	Ninja Star	Ninja2	Samurai Blade Ninja Blade	Shogun	Shogun
	Record from all HDMI cameras with clean output	x	x	x	x
	Record from all SDI cameras	x	x	x	x
	Affordable, readily available media	x	x	x	x
	HD / SD recording formats	x	x	x	x
	I frame recording	x	x	x	x
	10-bit recording	x	x	x	x
	422 recording	x	x	x	x
	Embedded Timecode	x	x	x	x
	File naming and timecode		x	x	x
	High frame rate HD recording formats			x	x
	4K recording formats			x	x
	12G-SDI 4KP60/50p				x
	HDMI 4KP60/50p				x
	4:4:4 10-bit (HD Only)				x
	FS700 RAW Decode				x
	4K - 4096 x 2160 support				x
	Review and edit files	x	x	x	x
	Playback controls	x *	x	x	x
	HD output to larger TV/monitor	x	x	x	x
	4K output to larger TV/monitor			x	x
	Monitor assist tools		x	x	x
	Waveform monitoring		x	x	x
	Calibration via optional Spyder		x	x	x
	Menu overlay (menu & recorded footage simultaneously)		x	x	x
	2:1 zoom			x	x
	Safe area bars 2.35			x	x
	3D LUTS				x
	Tag files on the fly	x	x	x	x
	Dock & drop files straight into the NLE timeline	x	x	x	x
	Compatible with Mac and PC	x	x	x	x

* Not loop playback

SHOGUN

THE 4K WEAPON FOR 4K CAMERAS

SONY A7S CANON C500
PANASONIC GH4 ...AND MORE



4K
HD

“ Roll on Shogun to save us all! ”

James Miller



RECORD 4K & RAW

Record straight from the camera's sensor in pristine 4K Apple ProRes or Cinema DNG Raw over HDMI and 12G-SDI. Seamlessly switch between 4K cameras with HDMI to SDI and SDI to HDMI conversion.



HIGH END HD

For HD recording, the Shogun is our most advanced product to date. Boasting 10-bit Apple ProRes recording, high frame rate 1080p120/60/50 and 2-way conversion between HDMI and SDI. The HD world is not forgotten with Shogun.



FULL HD DIRECTOR'S MONITOR

A stunning 7.1" 1920 x 1200 320ppi screen with 178° viewing angle, makes Shogun perfect as a director's monitor. With class leading features like waveform, focal assist, zebra, calibration and 2:1 zoom it's the perfect tool for perfect shot setup.

5 HRS+
2TB+

4K MADE AFFORDABLE

We've tamed the complexity and cost of 4K. Record 5 hours of 4K ProRes 422 HQ on a 2TB HDD using our optional RAID caddy system for less than \$100, or to SSD or CFast. There are no hidden leasing costs for codecs after purchase - its all included in the price with Shogun.



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



Spectacular 7.1" 1920x1200 320PPI SuperAtom IPS capacitive touch-screen.



Affordable, readily available SSD, HDD & CFast. Use singularly or raid 2 x HDD together to manage extra long 4K record times.



Trigger record start/stop & record timecode direct from the camera over HDMI (select Canon, Sony and cameras with the Atomos protocol) & SDI (all cameras).



Create FCPX XML projects on the fly with Favorite/Reject flags in the meta-data so you are ready to edit straight away in FCPX or Adobe Premiere.



Lock to an external Genlock reference signal to synchronize the Shogun's SDI payout. A must have for multiple camera shoots in a studio environment.



Our most advanced OS yet, with more monitoring features and a GUI to exploit the super resolution screen.



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



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



Send 4K safely and conveniently using our 12G SDI connection. Avoid multiple SDI cables and avoid dropped frames.



Out of the box colors you can trust with calibration to SMPTE Rec. 709 & D65 white point or Canon C-Log. Alternatively enable Canon C-Log, Sony S-log 2/3 or calibrate on the fly with an optional Atomos Spyder.



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

SAMURAI BLADE

Record, Play, Monitor, Edit from any SDI camera



“ The Samurai Blade never missed a beat during any of the dives - despite having to cope with 100% humidity & a wide range of temperatures ”

John Garvin

Project Manager Sub Intervals
James Cameron's Deep Sea Challenge

DIRECTOR QUALITY MONITOR



Real time monitoring with the SuperAtom 5" IPS 325ppi 1280x720 capacitive touchscreen. Monitoring functions at your fingertips including waveform, vectorscope, luma parade, RGB, focus peaking, zebra, false color & blue only.

PROXIES ON THE GO WITH CUT & TAG EDITING



Create HD proxies on the Samurai Blade as you record 4K at the camera & in real time rough cut your footage. Tag it as Favorite or Reject and save as a project, ready to finalize in the studio.

ProRes LOSSLESS & EDIT FRIENDLY

Avid DNxHD® Maximize use of your camera's spectacular lens & sensor. Bypass internal high compression recording to H.264/AVCHD/MPEG & upgrade to virtually lossless ready-to-edit 10-bit 422 Apple ProRes and Avid DNxHD with the Samurai Blade.



10 HRS+ 1TB+ LOW COST MEDIA & LONG RECORD TIMES

Record to standard 2.5" HDDs and SSDs. A 1TB HDD gives you 10+ hours of Apple ProRes HQ. Buy your choice of media that is affordable, reliable and readily available.

Atom OS 5 The AtomOS operating system is intuitive, easy to use and always two or fewer touches away from your function.

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.

Headphones 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 and Arri) to give you frame accurate timecode and start/stop triggers over SDI.

Carry Case 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.

Battery Our low power design (<7W) coupled with our patented Continuous Power dual battery system ensures you will never be without power in the field.

TIMECODE Synchronize with the camera's timecode & 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 Use the optional Spyder to calibrate to SMPTE Rec 709 & D65 whitepoint or Canon C-Log. Normally reserved for more expensive monitors, never has it been easier to get one click calibration.

NINJA BLADE

Record, Play, Monitor, Edit from
HDMI cameras

HD

SD



“ It’s a fantastic bit of kit with an unbelievably low price tag ”

Sean J Vincent
seanjvincent.com



DIRECTOR QUALITY MONITOR

Real time monitoring with the SuperAtom 5" IPS 325ppi 1280x720 capacitive touchscreen. Monitoring functions at your fingertips including waveform, vectorscope, luma parade, RGB, focus peaking, zebra, false color & blue only.



RECORD FROM THE SENSOR, ASSASSINATE MPEG

Take your consumer camera to a truly Pro recording device. Avoid the internal MPEG compression & go from sub 30Mbps MPEG to 220Mbps ready to edit 10-bit 422 Apple ProRes HQ & Avid DNxHD 220.



NO MORE 30min BARRIER!

Recording straight out from the sensor means no more 29.59 minute record limits on your internal recordings. Whether you're filming a soccer match or birds in the wild there is no need to worry about your recording stopping at 29.59 minutes.

10 HRS+ 1TB+ LOW COST MEDIA & LONG RECORD TIMES

Record to standard 2.5" HDDs and SSDs. A 1TB HDD gives you 10+ hours of Apple ProRes HQ. Buy your choice of media that is affordable, reliable and readily available.

Atom OS 5

The AtomOS operating system is intuitive, easy to use and always two or fewer touches away from your function.

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 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 & 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, and Canon & Nikon 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.



Our low power design (<7W) coupled with our patented Continuous Power dual battery system ensures you will never be without power in the field.



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

Al¹³

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)



Use the optional Spyder to calibrate to SMPTE Rec 709 & D65 whitepoint or Canon C-Log. Normally reserved for more expensive monitors, never has it been easier to get one click calibration.

NINJA 2

Affordable recorder-monitor for HDMI devices

HD

SD



“ This is a secret weapon ”

Vincent Laforet



RECORD FROM ANY HDMI DEVICE

Open up Apple ProRes and Avid DNxHD post production quality recording to thousands of HDMI devices (cameras, projectors, phones, game consoles etc)



RECORD FROM THE SENSOR, ASSASSINATE MPEG

Take your consumer camera to a truly Pro recording device. Avoid the internal MPEG compression & go from sub 30Mbps MPEG to 220Mbps ready to edit 10-bit 422 Apple ProRes HQ & Avid DNxHD 220.



NO MORE 30min BARRIER!

Recording straight out from the sensor means no more 29.59 minute record limits on your internal recordings. Whether you're filming a soccer match or birds in the wild there is no need to worry about your recording stopping at 29.59 minutes.

10 HRS+ 1TB+ LOW COST MEDIA & LONG RECORD TIMES

Record to standard 2.5" HDDs and SSDs. A 1TB HDD gives you 10+ hours of Apple ProRes HQ. Buy your choice of media that is affordable, reliable and readily available.

ProRes Post production quality recording on set with Apple ProRes and Avid DNxHD for universal non-linear editing support on both Mac and PC.

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.

Headphones 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 & 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 & AVID DNxHD. 422 for improved color accuracy & 10-bit for the extended color depth demanded in post production.

Battery Our low power design (6W) coupled with our patented Continuous Power dual battery system ensures you will never be without power in the field.

TIMECODE Synchronize with the camera's timecode & 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 Use the optional Spyder to calibrate to SMPTE Rec 709 & D65 whitepoint or Canon C-Log. Normally reserved for more expensive monitors, never has it been easier to get one click calibration.

NINJA STAR

ProRes in your pocket.

HD

SD

“ The Atomos Ninja Star is amazing! ”

Rodney Charters
ASC CSC NZCS



130g
4.6oz

TINY SIZE, FEATHERWEIGHT

The Ninja Star is the world's smallest, lightest Apple ProRes recorder (130g/4.6oz). Small enough to fit in your pocket and light enough to hang from a quad-copter - the Ninja Star is the go-anywhere recorder.

MPEG

RECORD FROM THE SENSOR, ASSASSINATE MPEG

Take your consumer camera to a truly Pro recording device. Avoid the internal MPEG compression & go from sub 30Mbps MPEG to 220Mbps ready to edit 10-bit 422 Apple ProRes HQ.

NO MORE 30min BARRIER!

Recording straight out from the sensor means no more 29.59 minute record limits on your internal recordings. Whether you're filming a soccer match or birds in the wild there is no need to worry about your recording stopping at 29.59 minutes.

5 HRS
BATTERY

ULTRA LONG BATTERY

The Ninja Star is an efficient little beast meaning it can keep on going for over 5 hours on one battery. Record for the whole shoot and play back all on the included battery.

ProRes The Ninja Star opens up Apple ProRes to the mass camera market, offering post production quality recording at an affordable price.

AUDIO LINE IN Record audio direct from the camera on the 2 embedded digital channels or add an external mic via the audio line in for an extra 2 channels of analog audio.

Carry Case 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 80mins of Apple ProRes HQ recording.

422 10-BIT HD off the sensor in edit friendly 422 10-bit Apple ProRes. 422 for increased color depth & 10-bit for high quality post effects.

START/STOP TRIGGER We've teamed up with leading camera brands (Canon, Sony & Panasonic) to give you frame accurate 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.

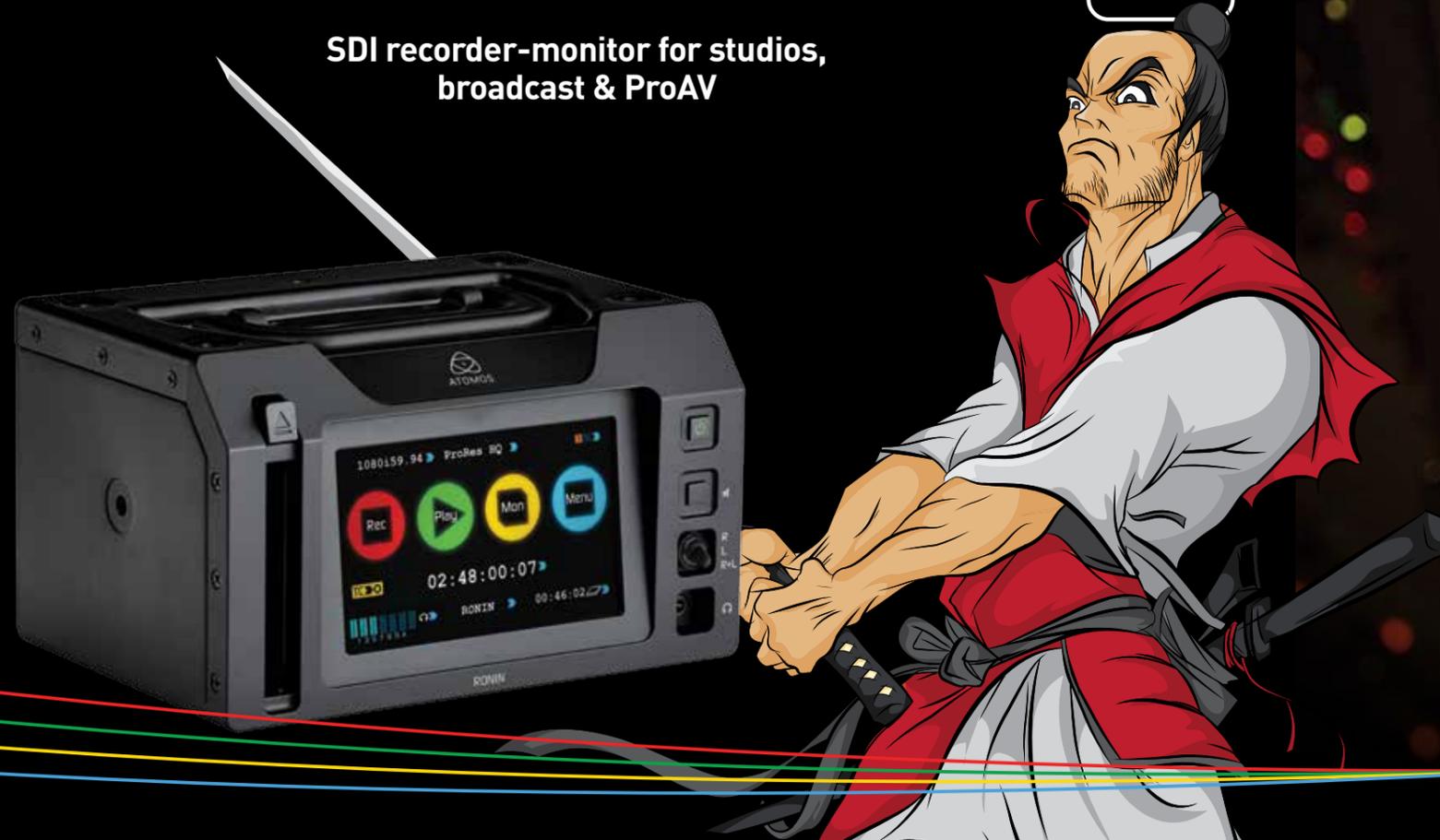
Mounting The small size, light weight & provided cheese plate allows for an endless number of ways to mount the Star to your rig.

RONIN

SDI recorder-monitor for studios, broadcast & ProAV

HD

SD



“ Simple to setup,
easy to use... I don't
often say that about
technology ”

John Ross
(Chief Engineer, ATI)

TWIN RACK MOUNT

The Ronin has been designed for fixed facility studios and OB vans. Two Ronins sit comfortably side by side in a rack mount solution for multi channel recording.



XLR
AUDIO

XLR AUDIO

The Ronin offers 12 channels of 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.



AC POWER WITH BATTERY BACKUP

AC power drives the Ronin with continuous battery backup for emergency situations. With very low power consumption it is the perfect backup recorder.



CONTINUOUS RECORDING

Dual Ronins, known as Ronin Duo, provide continuous recording for those extra long shoots. Loop out to the second Ronin and start recording as the first drive fills. With 10 hour+ record times on a 1TB HDD/SSD continuous recording is a snap.

ProRes Post production quality recording on set with Apple ProRes and Avid DNxHD for universal non-linear editing support on both Mac and PC.

SSD HDD We support affordable, readily available HDD or SSD. For mastering and archiving, they outperform DVD's and BluRay by factors of 100:1 in terms 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 We've teamed up with leading camera brands (Canon, Sony, Panasonic, RED and Arri) to give you frame accurate timecode and start/stop triggers over SDI.

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.

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.

Al¹³ 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)



Dual Ronin also available

CONNECT

The world's smallest battery powered video converter



H2S

10 HRS BATTERY



S2H



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



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

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



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)	USB Interface	Firmware Update Interface ONLY
Power Consumption	2W while converting	Video Input	H2S: HDMI x 1 S2H: 3G/HD/SD-SDI x1
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)	Video Out	H2S: 3G/HD/SD-SDI x 2 S2H: 3G/HD/SD-SDI x1 and HDMI x1
Continuous Power (Patent Pending)	Connect acts as a battery, feeding continuous power into your Ninja, Samurai, or another Connect.	Audio (In/Out)	Embedded Audio 2ch, 24, 20 or 16-bit
Built-in 3:2 Pulldown Removal	• 25PsF (50i)>25P • 30PsF (60i) >30P • 24p (3:2-60i) >24P	Timecode & Rec Trigger Exchange	SDI: Sony, Canon, Panasonic, Arri, RED HDMI: Sony, Canon Timecode, Canon Start/Stop
Test Pattern Generator	SMPTE 75%, Color Bars 75 & 100%, SDI EQ/PLL Pathological, Audio Tone 1kHz @ -20dBfs	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

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)	Video Input	S2H: 3G/HD/SD-SDI x 1 H2S: HDMI x 1
AC Power	100-240VAC, 0.2A, 50-60Hz	Video Out	S2H: 3G/HD/SD-SDI x 1 and HDMI x 1 H2S: 3G/HD/SD-SDI x 2
Power Consumption	2W while converting	Audio (In/Out)	Embedded Audio 2ch, 16, 20 or 24-bit
2:2 Pulldown Removal	• 25PsF (50i)>25P • 30PsF (60i) >30P • 24PsF > 24P	Timecode & Rec Trigger Exchange	SDI: Sony, Canon, Panasonic, Arri, RED HDMI: Sony, Canon Timecode, Canon Start/Stop
Test Pattern Generator	SMPTE 75%, Color Bars 75 & 100%, SDI EQ/PLL Pathological, Audio Tone 1kHz @ -20dBfs	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
USB Interface	Firmware Update Interface ONLY		

POWER STATION

ALL YOUR DEVICES, POWERED BY ONE



3x
DC

The dual DC outputs and provided splitter cable allows charging of up to 3 DC devices on the rig. Your choice of DSLR, lighting, monitor or Atomos product up to a maximum of 5A output.

2x
USB

A flexible dual USB power source allows you to charge 2 x 1A devices. The provided 2600mAh batteries is enough to charge an iPhone 5 from 0 to 100%, 3 times over.



CFAST MEDIA

CFast speed & size, made affordable by Atomos

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



SUNHOOD

Anti-glare Hood



SPYDER

Color Calibration for Monitors

BATTERY BATTERY



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.

CFAST MEDIA



Fitting a SATA connection in the footprint of a traditional Compact Flash card, CFast is the go to option for applications where HDD/SSD is too bulky and Compact Flash is too slow. Perfect for our Ninja Star ProRes recorder.



With write speeds of up to 80MB/s and read speeds of up to 200MB/s, CFast 1.0 is more than enough for ProRes HD recording, meaning you don't have to pay up to 4 times more for the same size CFast 2.0 media.



Our CFast cards are ready to go anywhere. Ensuring you start the Ninja Star and CFast in ambient conditions (inside), operating temperatures can range from -25 to 45 degrees Celsius (-13 to 113 degrees Fahrenheit).



DC Adapters available for popular cameras including A7s, GH4, 5DMKIII, FS700, C100 and more.



Works with Atomos monitor-recorders.



The independent left and right LED displays on the front of Powerstation give a quick 5 step visual guide on the power remaining for each battery from 100% down to 10%.

SUNHOOD

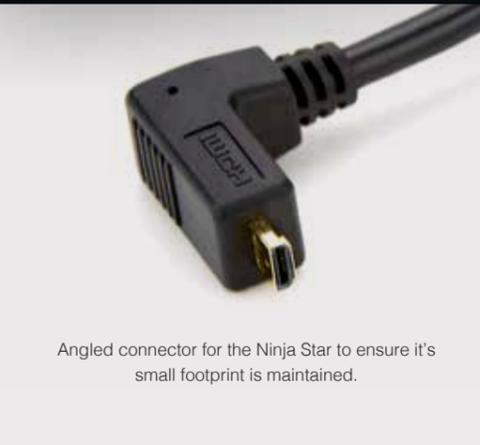
To prevent the glare from the sun washing out your image in the field, we have developed a light weight, collapsible sunhood for the Ninja 2, Ninja/Samurai Blade & Shogun that simply screws into the top mounting hole of the monitor.

SPYDER

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



◀ When we set out to make Pro Video HDMI cables we listened to the frustrations of our users & made the best possible solution for connecting our Ninja Star to any HDMI device.



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.

Part Number	Connectors	Coiled	Length
ATOMCAB005	Right angled Micro HDMI to Micro HDMI	Coiled	30cm (45cm extended)
ATOMCAB006	Right angled Micro HDMI to Mini HDMI	Coiled	30cm (45cm extended)
ATOMCAB007	Right angled Micro HDMI to Full HDMI	Coiled	30cm (45cm extended)
ATOMCAB008	Full HDMI to Mini HDMI	Coiled	30cm (45cm extended)
ATOMCAB009	Full HDMI to Mini HDMI	Coiled	50cm (65cm extended)
ATOMCAB010	Full HDMI to Full HDMI	Coiled	30cm (45cm extended)
ATOMCAB011	Full HDMI to Full HDMI	Coiled	50cm (65cm extended)
ATOMCAB013	Right angled Micro HDMI to Full HDMI	Coiled	50cm (65cm extended)



CARRY CASE
Shogun, Samurai Blade,
Ninja Blade, Ninja 2



SUNHOOD
Shogun, Samurai Blade,
Ninja Blade, Ninja 2



HDD/SSD CADDIES x 5



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



CF/SD READER



**CANON & NIKON
BATTERY ADAPTER**



AC POWER ADAPTER
Samurai Blade, Ninja Blade,
Ninja 2



SINGLE BATTERY CHARGER



D-TAP ADAPTER



CONNECT-AC RACK KIT
Fits four Connect-ACs.



RONIN RACK KIT
Fits two Ronins.

SPECIFICATIONS	SHOGUN	SAMURAI BLADE	NINJA BLADE
Weight			
Without batteries & HDD	720g/25oz (without batteries & HDD)	345g/12oz	315g/11oz
With batteries & HDD	994g/35oz (with batteries & HDD)	619g/22oz	595g/21oz
Dimensions (W x H x D mm)	196 x 110 x 47mm	153 x 87 x 48mm	136 x 87 x 48mm
Construction	High quality lightweight ABS Polycarbonate for durability & portability Heat pipe cooling technology	Aircraft-grade Aluminum for durability & portability Fan-less for silent operation	Aircraft-grade Aluminum for durability & portability Fan-less for silent operation
Power			
Operating power	6.8W - 11W	3.3W (monitoring only) / 6.8W (Rec, Mon, Play)	3.3W (monitoring only) / 6.8W (Rec, Mon, Play)
Compatible batteries	NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)	NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)	NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)
Input voltage (battery)	6.2V to 16.8V	6.2V to 16.8V	6.2V to 16.8V
Battery time (based on 7.4V)	2600mAh - up to 3hrs 5200mAh - up to 5hrs 7800mAh - up to 8hrs	2600mAh - up to 4hrs 5200mAh - up to 8hrs 7800mAh - up to 12hrs	2600mAh - up to 4hrs 5200mAh - up to 8hrs 7800mAh - up to 12hrs
DC Out	2 DC Out 5A Max (via optional Powerstation)	-	-
Continuous power * Patent pending	via optional Power station	Primary-secondary battery system Change batteries without losing power Loop batteries continuously	Primary-secondary battery system Change batteries without losing power Loop batteries continuously
Powerstation continuous power dual supply	Optional	Optional	Optional
Touchscreen			
Size	7.1"	5"	5"
Resolution	1920 x 1200	1280 x 720	1280 x 720
PPI	320	325	325
Aspect ratio	16:9 native	16:9 native / 4:3 Letterbox	16:9 native / 4:3 Letterbox
Color standard	REC709 HDTV	REC709 HDTV	REC709 HDTV
Native frame rate playback	48-60Hz	48-60Hz	48-60Hz
Technology	SuperAtom IPS panel (capacitive touch)	SuperAtom IPS panel (capacitive touch)	SuperAtom IPS panel (capacitive touch)
Video input/loop out			
HDMI	1 x HDMI (1.4b)	-	1 x HDMI (1.4)
SDI	1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)	1 x HD/SD-SDI (SMPTE)	-
Signal	Uncompressed 10/8bit 4:2:2 (camera dependent)	Uncompressed 10/8bit 4:2:2	Uncompressed 10/8bit 4:2:2
Video output (play out)			
HDMI	1 x HDMI (1.4b)	-	1 x HDMI (1.4)
SDI	1 x 12G HD/SD-SDI (SMPTE)	1 x HD/SD-SDI (SMPTE)	-
Signal	Uncompressed 10/8bit 4:2:2 (Playback file dependent)	Uncompressed 10/8bit 4:2:2	Uncompressed 10/8bit 4:2:2
Supported loop out formats			
HDMI to HDMI	1280 x 720p 50/60/120, 1920 x 1080i 50/60 1920 x 1080p 24/25/30/50/60/120, 3840 x 2160p 24/25/30	-	1280 x 720p 50 1920 x 1080i 50/60 1920 x 1080p 24/25/30
SDI to SDI	720p 50/60, 1080i 50/60 1080psf 24/25/30/50/60/120 1080p 24/25/30/50/60/120 2160p 24/25/30	720p 50, 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 (in/out)			
4K	3840x2160 - 30p/25p/24p	-	-
HD - high frame rate	1080p120, 1080p60/50, 720p120	-	-
HD	1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50,	1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50, SD 480i, 576i	1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50, SD 480i, 576i

NINJA 2	NINJA STAR	RONIN	SPECIFICATIONS
Weight			
300g/13oz	130g/4.6oz	1.9kg/4lb 3oz	Without batteries & HDD
670g / 24oz	230g/8.1oz		With batteries & HDD
115 x 87 x 41mm	95 x 60 x 25mm	202 x 102 x 140mm	Dimensions (W x H x D mm)
Aircraft-grade Aluminum for durability & portability	Aircraft-grade Aluminum for durability & portability	Steel construction for durability & portability	Construction
Fan-less for silent operation	Fan-less for silent operation	Fanless for silent operation	
Power			
3.3W (monitoring only) / 6.0W (Rec, Mon, Play)	3.5W / 4.5W (Rec,Play)	3.3W (monitoring only) / 6.8W (Rec, Mon, Play)	Operating power
NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)	NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)	NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)	Compatible batteries
6.2V to 16.8V	6.2V to 16.8V	6.2V to 16.8V	Input voltage (battery)
2600mAh - up to 5hrs	2600mAh - up to 5hrs	2600mAh - up to 4hrs	Battery time (based on 7.4V)
5200mAh - up to 9hrs	5200mAh - up to 9hrs	5200mAh - up to 8hrs	
7800mAh - up to 14hrs	7800mAh - up to 14hrs	7800mAh - up to 12hrs	
-	-	12V @ 0.5A for powering optional accessories	DC Out
Primary-secondary battery system Change batteries without losing power Loop batteries continuously	via optional Power station	Primary-secondary battery system Change batteries without losing power Loop batteries continuously Built in charger, charges attached Atomos batteries for portable use or AC power loss back up	Continuous power * Patent pending
Optional	Optional	Optional	Powerstation continuous power dual supply
Touchscreen			
4.3"	-	4.3"	Size
800 x 480	-	800 x 480	Resolution
220	-	220	PPI
16:9 native / 4:3 Letterbox	-	16:9 native / 4:3 Letterbox	Aspect ratio
SMPTE	-	SMPTE	Color standard
48-60Hz	-	48-60Hz	Native frame rate playback
LCD (Resistive touch)	-	LCD (Resistive touch)	Technology
Video input/loop out			
1 x HDMI (1.4)	1 x HDMI Micro (1.4)	-	HDMI
-	-	1 x HD/SD-SDI (SMPTE)	SDI
Uncompressed 10/8bit 4:2:2	Uncompressed 10/8bit 4:2:2	Uncompressed 10/8bit 4:2:2	Signal
Video output (play out)			
1 x HDMI (1.4)	1 x HDMI Micro (1.4)	-	HDMI
-	-	1 x HD/SD-SDI (SMPTE)	SDI
Uncompressed 10/8bit 4:2:2	Uncompressed 10/8bit 4:2:2	Uncompressed 10/8bit 4:2:2	Signal
Supported loop out formats			
1280 x 720p 50 1920 x 1080i 50/60 1920 x 1080p 24/25/30	1280 x 720p 50 1920 x 1080i 50/60 1920 x 1080p 24/25/30	-	HDMI to HDMI
-	-	720p 50 1080i 50/60 1080psf 24/25/30 1080p 24/25/30	SDI to SDI
Video signal conversion			
-	-	-	HDMI to SDI
-	-	-	SDI to HDMI
Supported formats (in/out)			
-	-	-	4K
-	-	-	HD - high frame rate
1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50, SD 480i, 576i	1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50, SD 480i, 576i	1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50, SD 480i, 576i	HD

SPECIFICATIONS	SHOGUN	SAMURAI BLADE	NINJA BLADE
Realtime hardware encoding			
4K-UHD 3840x2160 8/10-bit 4:2:2 to	Apple HQ 422 LT	Lossless Cinema DNG (data rate camera dependent)	-
1920x1080 8/10-bit 4:2:2 to	Apple HQ 422 LT	DNxHD 220/220x 145 36	Apple HQ 422 LT DNxHD 220/220x 145 36
Onboard processing			
	50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)	50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)	50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)
Audio input (48kHz PCM audio)			
Analog Line	-	2ch 48kHz	2ch 48kHz
HDMI	2 or 8 Ch 24-bit, Camera dependent	-	2ch 48kHz
SDI	12ch 48/96kHz 24-bit	12ch 48kHz 16-bit	-
XLR	2ch balanced analog. Line +24dBu / mic -40 dBu. 96 dB SNR, analog input gain software controllable	-	-
Audio output (48kHz PCM audio)			
Analog line / Headphone	-	2ch 48kHz	2ch 48kHz
HDMI	2 or 8 depending on 8	-	2ch 48kHz
SDI In	12ch 24-bit	12ch 48kHz 16-bit	-
Balanced Line (XLR)	2ch balanced analog. Line +24dBu / mic -40 dBu. 96 dB SNR, analog input gain software controllable	-	-
Mic Level	-40db Analog Gain, Line +24dB	-	-
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 - Master and Slave	LANC control - Slave	LANC control - Slave
Recording			
Supported media (Approved List Only)	4K / HD (50/60/120p) CFast SSD 2.5" Raided HDD (5,400 to 10,000rpm)	HD Atomos CF Fast SSD 2.5" HDD (5,400 to 10,000rpm)	SSD 2.5" HDD (5,400 to 10,000rpm)
Master caddy case	Master Caddy 2 (included) 75mm x 105mm x 12mm Raided disc caddy (optional) 75 x 115 x 25	Master Caddy 1 (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	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
Accessories included	Main unit, AC Adapter, Master Caddy 2 x 5, Battery x 1, Battery charger, Lemo to XLR cable, Docking station, Rugged carry case, GH4 battery plate, A7s battery plate	Main 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	Main 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
Optional extras	Sunhood, Master Caddy 2 Raid, Powerstation, D Tap adapter, CFast adapter	5 x Master caddy cases, Sunhood, D-Tap adapter, Carry cases, Canon & Nikon adapter plates, Connect H2S converter, Connect S2H converter	5 x Master caddy cases, Sunhood, D-Tap adapter, Carry cases, Canon & Nikon adapter plates, Connect H2S converter, Connect S2H converter
Our future proof platform (Powerful Generation 2 Processor, Sata 3 @ 6Gb/s, Large FPGA with upgradability) is designed for the following in the future	12G-SDI 4K 60/50p Support Apple ProRes HD 4:4:4 10-bit 3D LUTs FS700 RAW decode Full 4K - 4096 x 2160 support		

NINJA 2	NINJA STAR	RONIN	SPECIFICATIONS
Realtime hardware encoding			
-	-	-	4K-UHD 3840x2160 8/10-bit 4:2:2 to
Apple HQ 422 LT	DNxHD 220/220x 145 36	Apple HQ 422 LT	DNxHD 220/220x 145 36
Apple HQ 422 LT	DNxHD 220/220x 145 36	Apple HQ 422 LT	DNxHD 220/220x 145 36
Onboard processing			
50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)	50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)	50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)	
Audio input (48kHz PCM audio)			
2ch 48kHz	2ch 48kHz (no gain control)		Analog Line
2ch 48kHz	2ch 48kHz		HDMI
-	-	12ch 48kHz 16-bit	SDI
-	-	2ch balanced analog 48kHz 16-bit +24dBu clipping level, 96 dB SNR, adjustable input gain (-12dB)	XLR
Audio output (48kHz PCM audio)			
2ch 48kHz	2ch 48kHz	2ch 48kHz	Analog line / Headphone
2ch 48kHz	2ch 48kHz	-	HDMI
-	-	12ch 48kHz 16-bit	SDI In
-	-	2ch balanced analog 48kHz 16-bit +24dBu clipping level, 96 dB SNR, level settable (+18dBu / +24dBu)	Balanced Line (XLR)
-	-	-	Mic Level
Remote start/stop			
Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard		HDMI
-	-	SDI Trigger Camera Selectable	SDI
-	-	LANC control Atomos serial control protocol	Other
Recording			
SSD 2.5" HDD (5,400 to 10,000rpm)	Atomos CFast	SSD 2.5" HDD (5,400 to 10,000rpm)	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	USB 2.0/3.0 CFast card reader	2.5" SATA to USB 2.0/3.0	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
Main unit, Universal battery charger 110-240V, docking station & leads, 2 x master caddy cases, 1 x Atomos 2600mAh battery	Main 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	Main unit, docking station & leads, 5 x master caddy cases, 2 x Atomos 2600mAh battery, D-Tap adapter	Accessories included
5 x Master caddy cases, Sunhood, D-Tap adapter, Carry cases, Canon & Nikon adapter plates, Connect H2S converter, Connect S2H converter	D-Tap adapter, Canon & Nikon adapter plates, Connect H2S converter, Connect S2H converter, CFast cards, Atomos specialty HDMI cables	Rack mount adapter, #RU high, holds 2ea, Connect H2S converter, Connect S2H converter	Optional extras
Our future proof platform (Powerful Generation 2 Processor, Sata 3 @ 6Gb/s, Large FPGA with upgradability) is designed for the following in the future			

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NINJA STAR



NINJA 2



NINJA BLADE



SAMURAI BLADE



SHOGUN



RONIN



CONNECT-AC



CONNECT