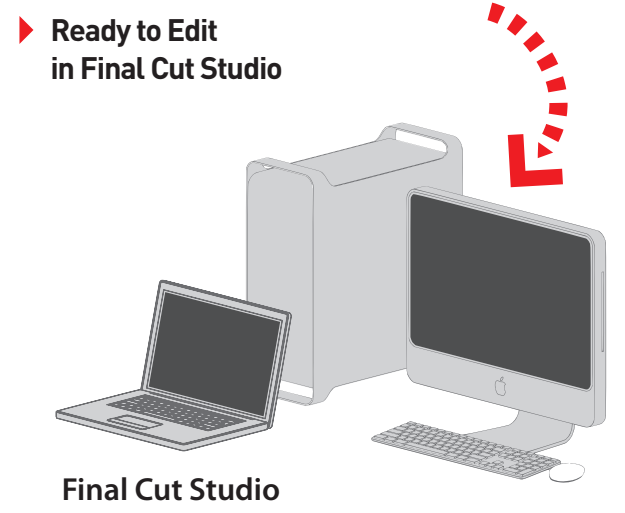
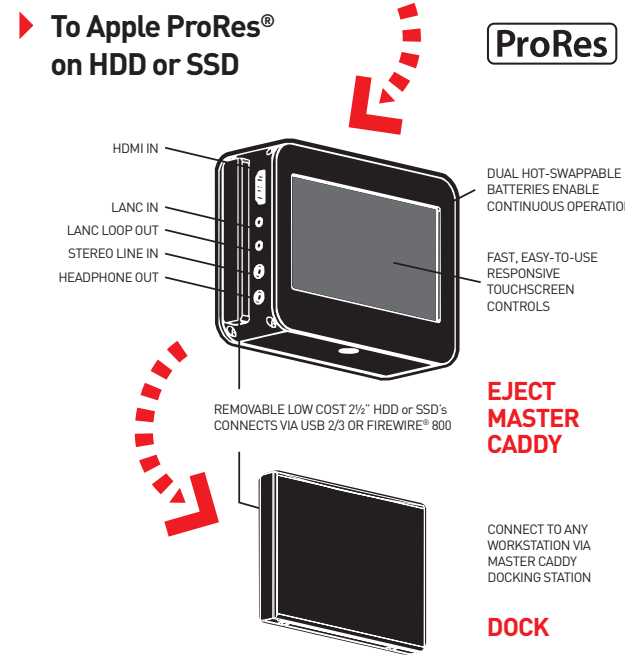
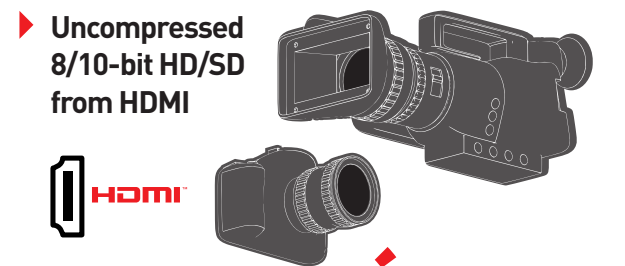


FROM LENS TO TIMELINE  
UNCOMPRESSED 10-BIT HD/SD



NINJA  
TECH SPECS



Ninja Main Unit

Dimensions  
(without Batteries)

115(W)x87(H)x41(D)mm

Weight

500 grams without batteries and media  
920 grams including batteries and spinning disk

Operating Power

Approx 6.3W (TFT max brightness, recording Apple ProRes® HQ to WD 7200 rpm Scorpio Black 500 G drive) approx 3.0W (TFT max brightness, monitoring only)

Batteries

2 x Small

7.4V 2600mAh – recording time\*

5 hrs HQ; 7 hrs 422; 9 hrs LT

2 x Medium

7.4V 5200mAh - recording time

10 hrs HQ; 14 hrs 422; 18 hrs LT

2 x Large

7.4V 7800mAh - recording time

15 hrs HQ; 21 hrs 422; 27 hrs LT

\* at 1080i60 extreme detail video; better at lower rates or with typical video  
Automatic and manual switchover of battery for continuous operation

Color 16:9 TFT Touchscreen

Size

4.3" diagonal

Resolution

480x270

Aspect Ratio

16:9 Native / 4:3 Letterbox

Video Input

HDMI Uncompressed

Supported Input Formats

HD 1080i60, 1080i59.94, 1080i50, 1080p30\*, 1080p25\*, 1080p24, 1080p23.98, 720p60, 720p59.94, 720p50, SD 480i, 576i  
\* from firmware v1.1

Recording Time

	HDD			SSD	
CODEC	300GB	500GB	750GB	128GB	256GB
ProResHQ	3.0hrs	5.0hrs	7.5hrs	77min	2.5hrs
ProRes422	4.5hrs	7.5hrs	11.5hrs	2.0hrs	4.0hrs
ProResLT	6.5hrs	11.0hrs	16.5hrs	3.0hrs	4.5hrs

all Ninja video input formats supported. See above.

Audio Input

HDMI 2 Channel Embedded  
Line In 2 Channel Line Level Audio. Analog gain adjustment  
All audio is encoded to 16 bit linear PCM @ 48kHz

Audio Output

2 Channel 0.5W Balanced Headphone or Line level output

LANC

LANC In and Out Loop for integration with Camera LANC and Accessories. LANC Loop feature

Master Caddy Specs	
Dimensions	75x105x12mm
Supported Storage	2.5" SSD or HDD minimum 5400rpm Standard 9.5mm height or slimmer drive supported For recommended drives visit: <a href="http://www.atomos.com">www.atomos.com</a>
Master Caddy Dock	2.5" SATA to FireWire® 800, USB2.0/3.0
Supported Computers (for SATA adapter)	Mac - All MacBook, MacPro, iMac and MacPro Models Windows All USB2.0/3.0 compatible Notebooks, and Desktops. Note: Apple ProRes® Quicktime Application required to run Apple ProRes® on Windows
Applications	Final Cut Studio - All Apple ProRes® supported versions Quicktime Mac and Windows
Accessories	Universal Battery Charger 110-240V Tripod Screw mounts and adaptors Protective cases and Travel Bags

HDMI™ FIELD RECORDER, MONITOR & PLAYBACK DEVICE  
10-BIT HDMI PRODUCTION WEAPON



RECORD → MONITOR → PLAYBACK → EDIT-READY

UNCOMPRESSED 8/10-BIT  
10-BIT APPLE PRORES®  
HDD OR SSD

NINJA 4.3"  
480 X 272/16:9  
130,560 PIXELS

Playback Apple ProRes®  
Immediately...  
**ProRes®**  
ELIMINATING CAPTURE!

EJECT-DOCK-EDIT  
MASTER CADDY HDD/SSD → DOCK FIREWIRE® 800 or USB 3/2 → FINAL CUT STUDIO



ATOMOS (HQ)  
Level 4, 459 Little Collins St  
Melbourne Victoria 3000  
Australia  
Phone: +61 3 92520605  
Fax: +61 3 9252 0699  
Support: support@atomos.com

ATOMOS Hong Kong  
Unit 3B, 20th Floor  
Far East Consortium Building  
121 Des Voex Road Central  
Hong Kong  
Phone: +852 8174 6068  
Fax: +852 2155 0663

ATOMOS Europe  
South Oak Barn  
Lombard Street  
Orston, Nottingham  
Nottinghamshire  
United Kingdom NG13 9NG  
Phone: +44 3301 110 615

Enquires: info@atomos.com | Sales: sales@atomos.com | Support: support@atomos.com | www.atomos.com





ATOMOS NINJA  
YOUR 10-BIT HDMI PRODUCTION WEAPON

Simple-to-use  
4.3" Touchscreen

Access all of the Ninja's operations via the fast, responsive touch interface.

New features are easy to add with software upgrades.

All the main functions are accessed through big, colorful icons. It's so simple, there's no need for complicated menus

Headphone  
Line Out Volume

Lets you adjust the volume of the professional quality headphone amplifier

Current Video Input  
Format And Status  
Displays information about the current video input

Input  
(Codec used for recording)  
Shows you which variety of Apple ProRes® you are using

Battery Power  
Remaining  
Shows approximate estimated remaining battery life

Currently Active  
Battery – 1 or 2  
Shows which battery is currently being used to power the Ninja.  
You are free to replace the one that isn't being used, the current active battery is illuminated orange



Audio Input Level Meters  
Shows the approximate level of each of the four audio inputs (2 x HDMI + 2 x Analog)

Recording Time Remaining  
Shows the recording time left on the currently inserted recording media. Remaining time is calculated dynamically and is based on the bitrate of the chosen level of Apple ProRes® in use and the size of the HDD or SSD inserted

Tripod screw-mount points  
at the top and bottom of the tough aluminium chassis

CONTINUOUS POWER FROM  
HOT-SWAPPABLE BATTERIES

Powering video devices on location is no longer a worry, because:

We provide two batteries with every Ninja each capable of a minimum of 2.5 hours, and a combined maximum of up to 9 hours continuous operation when fully charged, depending on codec and screen use.

Ninja has two battery compartments but only uses one at a time and switches to the second battery when the first is depleted. Simply swap batteries on the fly without stopping the production!

LATCHING BATTERIES  
SAFE AND SECURE

Batteries are held in place on the outside of the Ninja. To ensure that they never come lose, we've designed an ingenious latching system that holds batteries in place securely, but releases them instantly if you release the catch.



ProRes

POST PRODUCTION QUALITY,  
10-BIT RECORDING

Ninja takes the uncompressed video output from your camera and, in hardware, encodes it in real-time to visually-lossless Apple ProRes®, recognized across the industry as a class-leading codec for editing and post-production. Record direct from your camera's sensor electronics direct into super high quality Apple ProRes® for the most streamlined, affordable Final Cut Pro workflow available today.\*

\*ProRes® also works on the PC platform with NLEs that support it.

A PIPELINE TO YOUR TIMELINE

File-based production is all about efficient workflow, and with Ninja, we take the workflow to the camera – not the other way round. The Ninja's tight Apple ProRes® integration means recorded footage is instantly and natively editable in Final Cut Pro. No need to waste time transcoding or converting from other camera formats. And remember – Apple ProRes® is a better editing codec than long-GOP delivery or camera codecs like AVCHD or similar MPEG flavours. We use standard computer connections – FireWire® 800 and USB 2 and 3 to give you total flexibility when connecting to your Mac or PC. Simply insert your Master Caddy into the Master Caddy Dock provided and you are editing instantly. You can also, of course, transfer the footage to your central SAN or LAN.

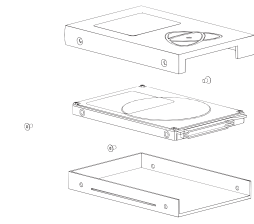
INCREDIBLY LOW-COST,  
HIGH-CAPACITY STORAGE

Flash memory is fine for stills photography, but with High-Definition video, quality is compromised by the extreme compression needed to fit huge quantities of data onto tiny in-camera storage media. Professional storage media like SxS and P2 are simply too expensive to "use and forget", which means that you're never free to just work as you want to.

Ninja liberates you from the financial and operational constraints of expensive Flash media by allowing you to use cheap, commodity storage available in any computer store: massive yet inexpensive traditional 2.5" Hard Disk Drives (Spinning Disks) for most projects and Flash-based SSDs for rough-and-tumble use.

(Buying Flash memory in the form of SSDs is much cheaper than the equivalent memory size on in-camera flash memory cards).

Using tried and tested storage guarantees performance and reliability. A 750GB/5400rpm drive holds up to 16 hours of high quality Apple ProRes® footage and costs under US\$100.



HDD | SSD



RECYCLE OLDER CAMERAS!

Ninja records direct from the HDMI output from your camera, So it doesn't care what format your camera is: whatever it receives through the HDMI connection it will record (with certain exceptions detailed on [www.atomos.com](http://www.atomos.com)). So if you've got an older camera with HDMI – just plug in a Ninja and bring it into the world of file-based production. You'll get better quality from your old camera than when it was new!

EVERYTHING YOU NEED

Ninja works right out of the box – you can be using it within minutes! We supply everything (except storage media which is cheaper to source locally) in a tough professional carry-case. The Ninja, two Master Caddies ready to receive your storage media, a USB 2 + 3 + FireWire® 800 docking station, two 2600mAh batteries and a smart battery charger, together with cables for connecting all of this together. There's no need for software drivers and no installation is necessary.

