ATOMOS

NINJA BLADE

The ultimate portable HDMI recorder-monitor for filmmakers.

IN

HDMI

OUT

NINJA BLADE

1080p25 ProRes HQ 04:30:15 1 2

04:08:01:23

Rec Play Menu

1 2 1 2 A

ATOMOS

Camera-mounted recorder, monitor, WFM and deck for HDMI cameras

Record → Monitor → Playback+Playout → Edit-Ready

Uncompressed 8/10-bit

ProRes | Avid DNxHD®

HDD SSD

Ninja BLADE
5″ SuperAtom IPS Screen 1280x720/ 16:9

Monitor Assist + Waveform Monitor

Playback on-screen or external monitor
Instantly review, navigate, mark and tag your recorded footage
HDMI

BROADCAST 10-BIT 4:2:2, 1920 x 1080

MASTER CADDY HDD/SSD   **DOCK via USB 3/2**   **MAC & PC COMPATIBLE**

Mac & PC compatible

Rec   Play   Mon   Edit

Discover Smart Production

ATOMOS NINJA BLADE
YOUR 10-BIT HDMI SMART PRODUCTION WEAPON

Continuous-Power

Video Input Format and Pulldown Status

Recording Format

Recording Quality

Time Remaining

Continuous Power Battery Indicator

NINJA BLADE

1080p25 — ProRes ▶ HQ ▶ 04:30:15 ▶ 2 ▶

04:08:01:23 ▶

Waveform Monitoring

Monitor Assist Functions

Cut and Tag Favorite/Reject

Rec Play Menu

Headphone Line Out Volume

Audio Channels and Levels

Rec / Play / Menu

Timecode and Record Trigger

Vectorscope or Waveform

ATOMOS

Video Input
Connect camera using HDMI cable

Video Output
Connect external device via the HDMI cable

LANC Remote
Optionally control the recorder using LANC remote control connected here (use a 2.5mm TRS/ 3-pin plug)

Share remote control with other devices (loop thru) by connecting them to the second LANC connector cable

Audio
Stereo Line In or Headphones

ATOMOS SMART PRODUCTION
ALL THE FEATURES YOU'VE ASKED FOR, AND MORE...

Rec One-touch Recording

1080p23.98 ProRes ▶ HQ ▶ 00:37:29 ▶ 2 ▶

00:00:25:20 ▶

Stop Play Menu
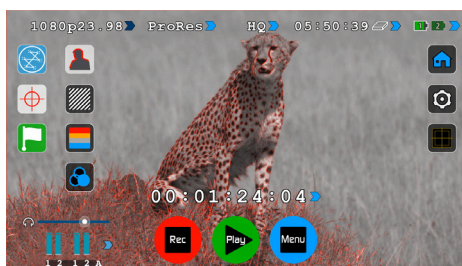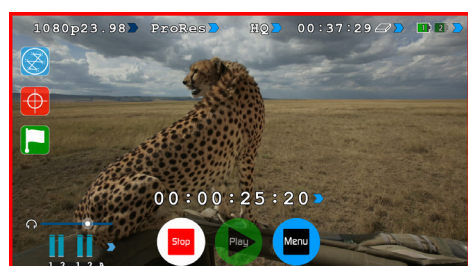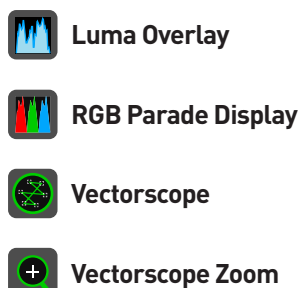
SmartControl
Start/stop trigger from rolling timecode set by supported cameras.

SmartMonitor
Use Waveform monitoring with:

Luma Overlay

RGB Parade Display

Vectorscope

Vectorscope Zoom

Rec Mon One-touch Monitoring

1080p23.98 ProRes ▶ HQ ▶ 05:50:39 ▶ 2 ▶

00:01:24:04 ▶

Rec Play Menu

SmartMonitor (continued)
Accurately assess focus and exposure with:

Focus Peaking

Adjustable Zebra

False Color (two modes)

Blue Only - Exposure Check

Adjustments for individual filters

Play Edit One-touch Review

1080p23.98 ProRes ▶ HQ ▶ 05:50:42 ▶ 2 ▶

Favourite 👍
Reject 👎

00:00:45:21 ▶

Rec Play Menu
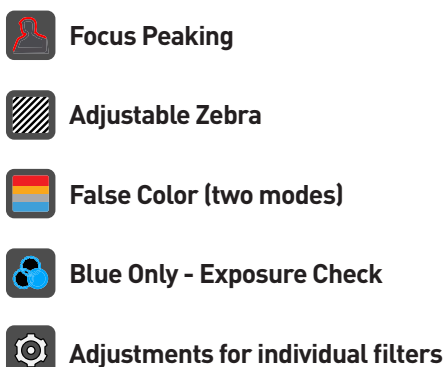
SmartLog
Log in and out points on your footage and tag these clips with keywords such as 'good shot' (Favourite) or 'bad shot' (Reject).

Favourite 👍   Reject 👎   ▶| →| ↻

With the Ninja Blade this part of the post production process can now be done on set, or on the move, support by Continuous Power.

SmartLog operates while in Monitor or Playback mode. It saves time, money and allows fast, collaborative pre-editing prior to final post production in Apple Final Cut Pro X.

Rec Online or Offline, Master or Back-up

10-bit 4:2:2, 220Mbps, 2.5" HDD or SSD

Professional media production is all about balancing quality, cost and time. We understand this dynamic and our aim is to redefine the digital recording workflow to maintain the highest recording quality, minimize the time taken to move video from camera to computer and lower the cost of production using affordable, high capacity, high speed media.

The Ninja Blade takes any uncompressed HD or SD source and encodes it in real-time to 10-bit, 4:2:2 Apple ProRes or Avid DNxHD at up to 220Mbps. Both are class-leading codecs for production, broadcasting, editing and post-production. Because we are portable, we can record from the ultimate image source, the sensor of the camera.

The Ninja Blade always records in 10-bit, even from an 8-bit source. We add color registries for incorporating higher bit-depth graphics from CG, animation and special effects. This avoids banding and makes editing and grading, in fact any precision effect, more accurate.

Any or HD-SDI or HDMI source...

DSLRs, Decks, Switchers, PC, Mac, iPad & iPhone

Ninja Blade has HDMI In as standard and can accept HD/SD-SDI input with the addition of a Connect S2H or Connect-AC H2S.

Nikon/Sony/Panasonic/Canon/RED/ARRI/JVC/GoPro

Whether you're a Hollywood DoP needing a high quality review and tagging tool from an ARRI, RED, Canon or Sony camera, or an independent filmmaker using a Nikon DSLR for end-to-end digital production, the Ninja Blade makes all types of production faster, betterand easier, and at very little cost.

James Cameron used Atomos field recorders on his *Deep Sea Challenge* - need we say more? From 4 miles down to 20,000 feet up, Ninja Blade will record your adventures in super high quality – it's got you covered on land, air and sea!

Ready to deliver, high-capacity HDD or SSD

No more expensive memory cards!

Ninja Blade frees you from the financial and operational constraints of expensive Flash media (eg. SxS and P2) and aggressive compression (MPEG-2) by allowing you to use cheap, commodity storage that's available anywhere.

Choose inexpensive 2.5" hard disk drives (spinning disks) for 90% of projects and Flash-based SSDs for rough terrain or high security use. HDDs are now cheaper than tapes! Store them on a shelf or hand them to your client. Modern commodity storage is extremely reliable.

A 750GB/7200rpm drive holds up to 16 hours of high quality Apple ProRes® footage.

HDD SSD COMPATIBLE

Supported Drives
HDD: Western Digital, Hitachi, Samsung, Toshiba
SSD: Intel, SanDisk

Latest recommended drives: atomos.com

Mon 1280x720 SuperAtom IPS screen

Waveform Monitor, Focus Peaking, Zebra and more...

At 325 dpi and 1 million pixels (1280x720) the Ninja Blade's 5" SuperAtom IPS Panel delivers amazing resolution, super accurate colours and super deep blacks.

The Ninja Blade is the first truly professional monitor that records, offering full waveform functionality, including vectorscope, in addition to focus peaking, zebra, false colour and blue-only monitoring tools.

Play Pristine Playback & Playout
SmartLog – Just Mark & Tag

Use your Ninja Blade's screen to navigate through and review your footage, to mark in and out points and input XML tags. Instantly show your material to production colleagues, clients or talent, and check each shot in detail, during or after the shoot – logging their suggestions without leaving the set. Review and log an entire day's shoot on-set, or while travelling, with high-quality playback and comprehensive clip logging & navigation controls.

Just touch "Play" on the Ninja Blade screen and view your full HD recordings, with up to of 10 hours playback and editing on one battery charge (and don't forget our patent-pending Continuous Power for unlimited operation in the field).

Edit Instant editing on MAC or PC!

The Ninja Blade seamlessly migrates your productions to the efficient and cost-effective world of file-based workflows. By recording directly to a production-quality, edit-friendly format, it bypasses the codec in the camera and eliminates time-consuming capture and conversion.

The Ninja Blade's tight integration with Apple ProRes® and Avid DNxHD means recorded footage is instantly and natively editable in Final Cut, Media Composer, Premiere Pro, EDIUS, Vegas, Autodesk Smoke and Lightworks.

What's in the box

Ninja Blade works right out of the box, you can be using it within minutes! We supply everything (except storage media).
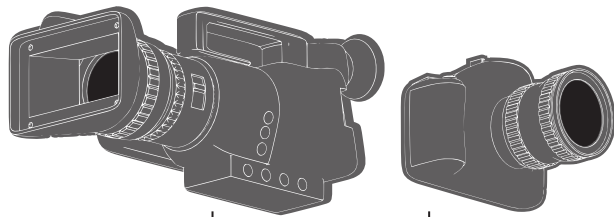
→ Ninja Field Recorder
→ NP Series-Compatible Battery
→ Battery Charger 110-240V
→ AC Adaptor
→ D-Tap Adaptor
→ 2 X Master Caddy Cases
→ 2.5" HDD/SSD Docking Station USB 2/3

Contents may differ from those shown here.

FROM SENSOR TO EDIT SUITE
UNCOMPRESSED 10-BIT HD/SD

▶ Uncompressed 8/10-bit HD/SD from HDMI
to Apple ProRes® or Avid DNxHD◇ on HDD/SSD

HDMI™

HDMI CAMERAS & DSLRs

RECORD

REAL-TIME
PULLDOWN
REMOVAL

SmartMonitor
FEATURES INCLUDING FOCUS PEAKING AND ZEBRA.

HDMI PLAYOUT

1920 x 1080px
Full HD LCD
LED or Plasma
DVD/BluRay
Monitor
Switcher
Satellite

HDMI IN

HDMI OUT

LANC

STEREO
LINE IN

HEADPHONE
OUT

SmartLog*
MARK AND TAG. READY TO EXPORT XML FILE.

SmartControl§
TRIGGER SIMULTANEOUS NINJA-2 AND CAMERA RECORDING VIA START/STOP OR TIMECODE.

Choice of codec
ProRes | Avid DNxHD

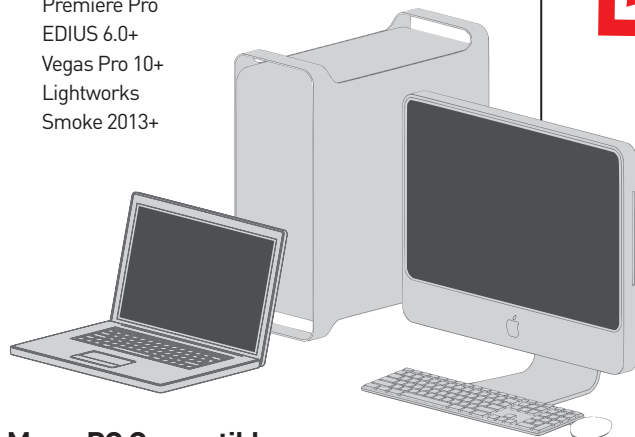FAST, EASY-TO-USE RESPONSIVE TOUCHSCREEN CONTROLS

EJECT MASTER CADDY

REMOVABLE LOW COST 2½" HDD/SSD CONNECTS VIA USB 2/3

DOCK

CONNECT TO ANY WORKSTATION VIA MASTER CADDY DOCKING STATION

▶ **Ready to Edit**
FCPX/FCP7+
Media Composer 5.0+
Premiere Pro
EDIUS 6.0+
Vegas Pro 10+
Lightworks
Smoke 2013+

Mac + PC Compatible

Ninja Blade Main Unit

Lightweight	310g / 11oz (without batteries & HDD) 595g / 21oz (with batteries & HDD)	
Dimensions (without batteries)	140mm (W) x 87mm (H) x 41mm (D)	
Construction	Aircraft-grade aluminium for durability + portability. Fanless for silent operation.	
Operating Power	3.3W (Monitoring Only) / 6.8W (Rec, Mon & Play)	
Batteries 7.2V-14.4V Battery System Compatible NP Series D-Tap and supporting accessories	**All 7.4v** 1. 2600mAh - Up to 4hrs 2. 5200mAh - Up to 8hrs 3. 7800mAh - Up to 12hrs 4. AC Power via Adapter plate (option) 5. D-Tap Adapter (cables sold separately)	
Continuous Power* *Patent Pending	Primary-Secondary battery system. Change batteries without losing power. Loop batteries continuously.	
Touchscreen	Size: 5" diagonal. Resolution: 1280x720 Aspect Ratio: 16:9 native /4:3 Letterbox. REC 709 HDTV Colour Specification Native Frame Rate Playback (48-60Hz) SuperAtom IPS (in-Plane Switching) panel	
Video Input Uncompressed 10/8-bit 4:2:2 Simultaneously displayed on internal 5" Ninja screen	HDMI x 1 (HD/SD-SDI x 1 with optional S2H Connect SDI -> HDMI converter)	HDMI v1.4 SMPTE 259/292/296 BNC
Video Output Uncompressed 10-bit 4:2:2 Simultaneously displayed on internal	HDMI x 1 (HD/SD-SDI x 1 with optional H2S Connect HDMI > SDI converter)	HDMI v1.4 SMPTE 259/292/296 BNC
Supported Formats (In/Out)	HD 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50, SD 480i, 576i	
Realtime Hardware Encoding 1920x1080 8/10-bit 4:2:2 to:	**Apple ProRes ®** HQ - 220Mbps 422 - 150Mbps LT - 100Mbps	
	Avid DNxHD ® (Online activation required)	Avid DNxHD-220/220x - 220Mbps (8/10-bit) Avid DNxHD-145 - 145 Mbps (8-bit) Avid DnxHD-36 - 36 Mbps (8-bit)
Onboard Processing Auto detect pulldown cadence and remove	25pSF (50i) > 25p 30pSF (60i) > 30p 24p (3:2-60i) > 24p 23.98p (3:2-59.94i) > 23.98p	
Audio input 48kHZ PCM audio	HDMI 2 Channels + 2 analogue channels with gain controls	
Audio output 48kHZ PCM audio	HDMI 2 Channels + headphone for onboard review. (Select any pair of channels)	
Remote Start and Stop	Via HDMI trigger / Via HDMI timecode / Via LANC controller & LANC camera	
Master Caddy Case for HDD or SSD 2.5" SSD or HDD minimum 5400rpm to 10,000rpm standard 9.5mm height	75mm x 105mm x 12mm For recommended drives visit: www.atomos.com	
Master Caddy Dock	2.5" internal drive SATA to USB 2.0/3.0 including USB cable	
Supported Applications	FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks	
Accessories included	• Universal Battery Charger 110-240V • AC Adapter & Car Charger • Docking station and leads • 2 x Master Caddy Cases • 1 x Atomos 2600mAh battery • Rugged Carry Case • Canon & Nikon Adapter plates • D-Tap Adapter	
Optional extras	• 5 x Master Caddy Cases • Sun Hood • Carry case • Canon® / Nikon® battery plates • Connect H2S converter • Connect S2H converter	

ATOMOS

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