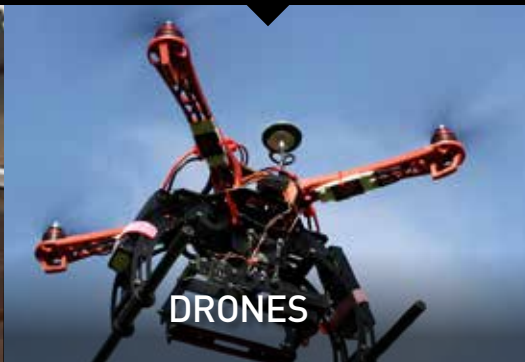# Pocket-size Apple ProRes recording perfect for:

ACTION CAMERAS

DRONES

MIRRORLESS DSLR's

1 Record direct to Apple ProRes

Recording directly to Apple ProRes on the Ninja Star, as opposed to compressed storage on your camera delivers better quality (no MPEG compression artifacts) and huge time savings in your workflow with no need for transcoding prior to edit.

ProRes

2 Ultra long battery life

The Ninja Star, like all Atomos designs, place a priority on low energy consumption. For this reason, the standard 2600 mAh battery provided will keep the Ninja Star going for over 5 hours - often long enough for an entire shoot and playback on a larger screen.

5 HRS BATTERY

3 Tiny size, featherweight

The Ninja Star is the world's smallest, lightest Apple ProRes recorder. With a footprint & weight similar to most smartphones (130g/4.6oz) it is small enough to fit in your pocket, strap to your tripod and light enough to hang from a quadcopter or mount to your DSLR - the Ninja Star is the go-anywhere recorder.

130g 4.6oz

4 CFast Speed & Reliability

CFast cards are small, reliable and sold at up to 256GBs which gives the Ninja Star up to 1 hrs and 30 mins of Apple ProRes HQ recording, more than doubling the record time of your action camera and equal to your DSLR at much higher quality (220Mb/s 10bit 4:2:2)

CFAST 2 HRS+ 256GB

atomos.com

NINJA STAR TECH SPECS / Ninja Star Main Unit

Light Weight
130g / 4.6oz (without batteries & CFast media)
230g / 8.1oz (with batteries & CFast media)
184g / 6.5oz (with mount)
314g / 11oz (with mount, batteries & CFast media)

Dimensions (without battery)
95(W) x 60(H) x 25(D)mm

Construction
Aircraft grade aluminium for durability + portability.
Fanless for silent operation.

Operating Power
3.5W / 4.5W (Rec & Play)

Batteries 7.2V-14.4V Battery System Compatible, any source,
NP Series, D-Tap and supporting accessories
    All 7.4v
    1. 2600mAh-Upto 4hrs
    2. 5200mAh - Up to 8hrs
    3. 7800mAh - Up to 12hrs
    4. AC Adaptor (included)
    5. D-Tap Adaptor (sold separately)

Video Input
• Uncompressed 10/8-bit 4:2:2
• HDMI x 1 (Micro)
• HDMI 1.4

Video Out
Reclocked, ultra low jitter professional grade HDMI output,
"HDMI 1.4" (Micro)

Supported Formats (In/Out)
HD 1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25,
1080p24, 1080p23.98, 1080p30(60i), 1080p25(50i),
1080p24(60i), 1080p23.98(60i), 720p60, 720p59.94,
20p50, SD 486i59.94, 576i50
pSF - Progressive Segmented Frame modes are recorded to
Progressive rates
Most HDMI cameras output 24P, 25P and 29.97P as 50i
or 59.94i

see **www.atomos.com/support** for camera support list

Realtime Hardware Encoding
1920x1080 8/10-bit 4:2:2 to Apple ProRes
    • HQ - 220Mbps
    • 422 - 150Mbps
    • LT - 100Mbps

Audio Input
HDMI 2 channel + 2 analog channels with gain controls.

Audio Output
HDMI 2 channel
Analog line and Headphone

Timecode & Triggers
Sony and Canon compatible HDMI timecode in
and out

Recording Time onto CFast 1.0 128Gb

(I-Frame Only, 422, 8/10-bit)	Time
ProRes HQ (10-bit, 220Mbps)	1hr 17min
ProRes 422 (10 bit, 150Mbps)	1hr 53min
ProRes LT (10 bit, 100Mbps)	2hr 50min

CFast Media
For recommended drives visit:
http://www.atomos.com/discovery-what-drives/

CFast Media Card Reader
USB2.0/3.0

Supported Applications
FCPX/FCP7+ / Media Composer 5.0+ / Premiere Pro / EDIUS
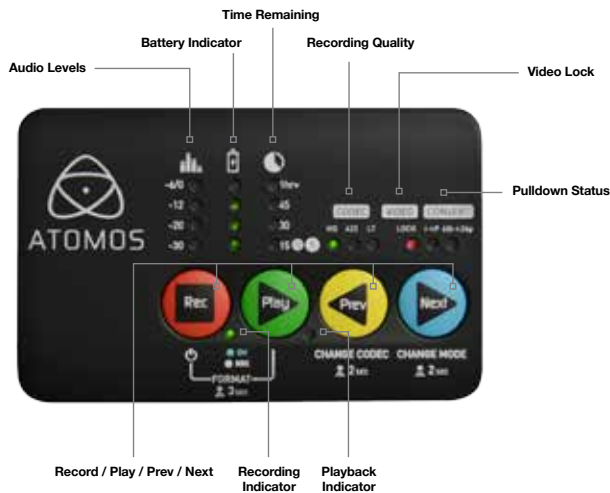6.0+ / Vegas Pro 10+ / Lightworks / Smoke

Accessories included
    • Single Battery Charger 110-240V
    • 1 x Atomos 2600mAh battery
    • Car Adapter for battery charger
    • CFast Card Reader
    • Cheese plate

Optional Extras
    • D-Tap adapter
    • 64GB CFast 1.0 Card
    • 128GB CFast 1.0 Card

Recording

Audio Levels
Battery Indicator
Time Remaining
Recording Quality
Video Lock
Pulldown Status
Record / Play / Prev / Next
Recording Indicator
Playback Indicator

Record: Press to start/stop recording (requires video lock) **OR** **Auto Record Trigger:** Supported on some Sony and Canon cameras

Play: Press to enter playback mode.

Hold for 2 seconds to select audio channel levels between HDMI and Analogue.

Change Codec: Hold for 2 seconds to change Codec

Change mode: Hold for 2 seconds to change pulldown removal setting

Hold both **Prev + Next** for 2 seconds to Lock/Unlock the Ninja Star

Hold both **Rec + Play** for 3 seconds to format CFast Card

Playback: One-touch review

Record: Press to return to capture mode

Play: Press to play/pause clip

When paused:
Frame by frame
RWD / FWD

When playing:
Hold to Super RWD / Super FFWD
Click to skip to Previous / Next

Playback & Review on monitors:
Recorded footage can also be played from the Ninja Star's HDMI Out.
This is ideal for large screen client viewing, feedback and editing
on location.

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