NINJA FLAME

INTENSE DETAIL. SCORCHING BRIGHTNESS.

Ninja Flame overcomes the display challenges of shooting Log, displaying the full brightness range on a field monitor for the first time, with true-to-life vibrant colors. It has a 7" 10-bit 1500nit panel with the AtomHDR engine and HDMI connections to record and playback video to 4K/HD 10-bit ProRes/DNxHR.

HDMI
DSLRs & Mirrorless

ATOM HDR

AtomHDR = More detail; AtomHDR delivers 10 stops of dynamic range (brightness range) to match 10-bit camera LOG footage, revealing detail in highlights & shadows usually clipped on traditional (REC709) monitors. Supported LOG cameras include: Sony, Canon, Panasonic, ARRI, RED & JVC.

7" HIGH BRIGHT 1500 nit

High Bright 7" Calibrated Monitor; The world's most advanced 7" field monitor, with 1500nits brightness for outdoor shooting, native Full HD resolution & calibration to ensure natural LCD color drift can be corrected over time - shoot what you see guaranteed.

10 bit MONITOR

10-bit monitoring; Upgraded 10–bit processing to resolve 1.07 billion colors compared to the 16.7 million colors of traditional 8–bit panels to all but eliminate color banding.

10-bit post production; Monitor post production content in 10-bit HDR for any NLE or color correction suite.

HDMI

HDMI; Full size HDMI in and out for connection to DSLR and Mirrorless cameras and output to larger HDMI screens.

4K 422 10-BIT

Professional 4K Recording; Record direct from the sensor in high resolution 4K UHD (up to 30p) or high frame rate HD (50/60/120p) at higher resolution 10-bit color with precise yet efficient 4:2:2 color encoding.

ProRes / Avid DNxHR

Improved Video Quality; 10-bit color resolution, 4:2:2 color accuracy and visually lossless ProRes/DNxHR compression.

Continuous power; Our patent pending hot swappable dual battery system for continuous power is backed up with the included power accessories including 2 x 4-cell batteries, D-Tap to DC cable and a blazingly fast battery charger.

NINJA FLAME PRODUCT INFO SHEET | MAR 2016

Weight	
Without batteries & media	620g / 21.9oz
With batteries & media	1064g / 37.5oz
Dimensions (W x H x D mm)	214 x 127 x 45mm, 8.4 x 5 x 1.8"
Construction	High quality lightweight ABS Polycarbonate for durability & portability
	Built-in armor protection

Power	
Operating power	10 - 24W
Compatible batteries	NP series and supporting accessories
Input voltage (battery)	6.2V to 16.8V
Battery time (based on 7.4V)	-
	5200mAh - up to 1.5hrs (monitor & record 4K)
	7800mAh - up to 2.2hrs (monitor & record 4K)
DC In	1 x DC in (6.2 - 16.8V)
Continuous power *** Patent pending**	Primary-secondary battery system Change batteries without losing power Loop batteries continuously

Touchscreen	
Size	7.1"
Resolution	1920 x 1200
PPI	325
AtomHDR	Yes
Bit depth	10-bit (8+2 FRC)
Brightness	1500nit (+/- 10%)
Aspect ratio	16:9 native
Color Gamut	REC709 HDTV
Look up table (LUT) support	3D LUT (.cube file format)
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit

Video input/loop out	
HDMI	1 x HDMI (1.4b)
SDI	-
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)

Video output (play out)	
HDMI	1 x HDMI (1.4b)
SDI	-
Signal	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
SDI to SDI	-

Video signal conversion	
HDMI to SDI	-
SDI to HDMI	-

Supported formats (Record & Playback)	
4K	2160p 24/25/30
HD - high frame rate**	1080p120*, 1080p60/50
HD**	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50
4K UHD downscale for HD monitoring	Yes - loop-out & playback
Anamorphic de-squeeze	2x, 1.5x, 1.33x, Panasonic 8:3

Realtime hardware encoding		
4K-UHD 3840x2160 8/10-bit 4:2:2 to	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

Onboard processing	
Pulldown removal	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
SDI	-
Audio	Line in / Mic in / Headphone out 2ch 48kHz 24-bit

Remote start/stop	
HDMI	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard
SDI	-
Other	LANC control - Slave

Playback	
Playlist	Yes
Genlock / LTC	-

Recording	
Pre-roll record	Yes (HD 8s, 4K 2s)
Custom timelapse	Yes
Meta data tagging	Yes (10 tags available)
Supported media **(Approved List Only)**	4K / HD (50/60/120p) SSD 2.5", HDD (7,200 up to 1080p60) HD SSD 2.5", HDD (5,400 up to 1080p30)
Master caddy case	Master Caddy II (included) 75mm x 105mm x 12mm
Master caddy dock	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
XML support	FCPX XML native, FCP7 supported with conversion (Adobe compatible)
Accessories included	Ninja Flame unit, Custom red HPRC case, Control cable, 2x NP-F750 5200mAh batteries, Fast battery charger, SATA 3/2 to USB 3/2 HDD/SSD docking station, DC to D-Tap coiled cable, Master Caddy II x 5, 12V-3A AC adapter x 2 (Fast charger & DC power), HDR sunhood
Optional extras	Atomos HDMI cable, Spyder calibration

Fast charger
3 times the charging time of conventional chargers

Battle-ready build
Built-in Armor, Continuous power and Lightweight design
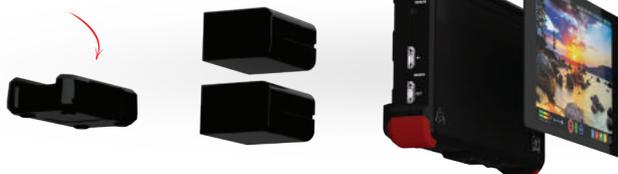
Batteries included
NP style 4-cell batteries (1.5 hours monitoring & recording in 4K)

AtomHDR
10 stops of dynamic range, 1500nit 7" Full HD calibrated monitor

Snap-fast sun hood
Strong blockout and magnetic snap-fast design for easy screen access

What's in the box:

Ninja Flame unit

Custom Red HPRC hard flight case

Control cable
(2.5mm Female to 2 x 2.5mm Male)

2 x NP-F750 4-cell batteries

Fast battery charger

USB3 docking station

Coiled D-Tap to DC power cable

5 x Master Caddy cases

2 x 12V 3A AC-DC power adapter

Snap-fast sun hood