



# 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



**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.



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



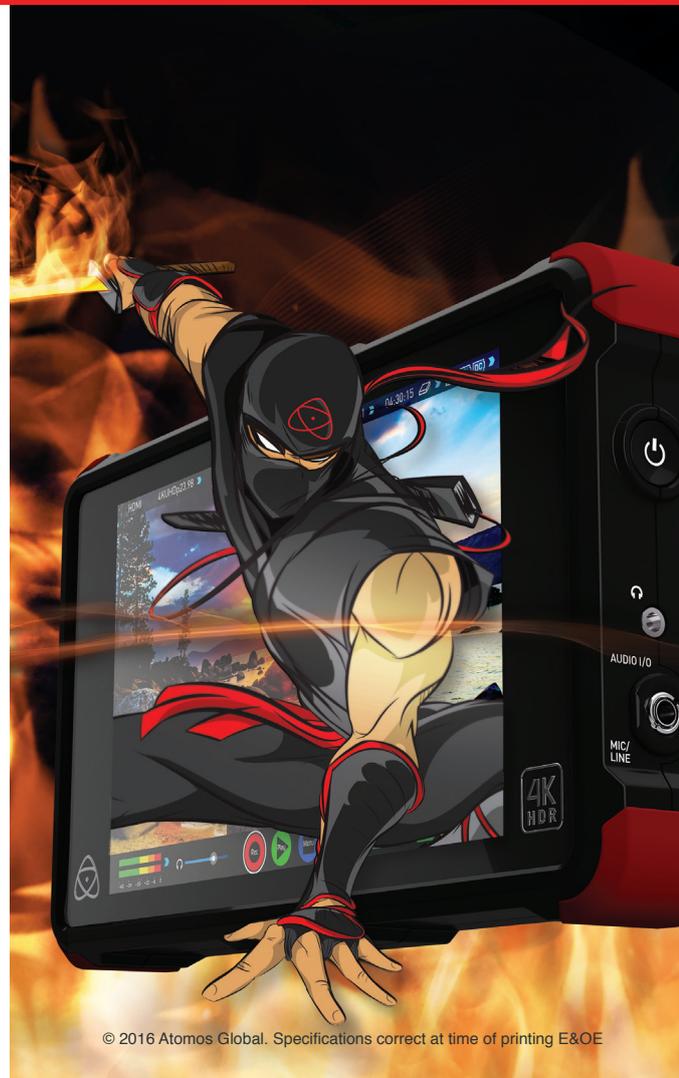
**Professional 4K Recording;** Record direct from the sensor in high resolution 4K UHD (up to 30p) or high frame rate HD (50/60/120p) at higher resolution 10-bit color with precise yet efficient 4:2:2 color encoding.



**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 SPECIFICATIONS

<b>Weight</b>	
<b>Without batteries &amp; media</b>	620g / 21.9oz
<b>With batteries &amp; media</b>	1064g / 37.5oz
<b>Dimensions (W x H x D mm)</b>	214 x 127 x 45mm, 8.4 x 5 x 1.8"
<b>Construction</b>	High quality lightweight ABS Polycarbonate for durability & portability Built-in armor protection
<b>Power</b>	
<b>Operating power (including SSD)</b>	10 - 24W
<b>Compatible batteries</b>	NP series and supporting accessories
<b>Input voltage (battery)</b>	6.2V to 16.8V
<b>Battery time (based on 7.4V)</b>	-
	5200mAh - up to 1.5hrs (monitor & record 4K 30p)
	7800mAh - up to 2.2hrs (monitor & record 4K 30p)
<b>DC In</b>	1 x DC in (6.2 - 16.8V)
<b>Continuous power * Patent pending</b>	Primary-secondary battery system Change batteries without losing power Loop batteries continuously
<b>Touchscreen</b>	
<b>Size</b>	7.1"
<b>Resolution</b>	1920 x 1200
<b>PPI</b>	325
<b>Aspect ratio</b>	16:9 native
<b>Color Gamut</b>	REC709 HDTV
<b>Look up table (LUT) support</b>	3D LUT (.cube file format)
<b>Anamorphic de-squeeze</b>	2x, 1.5x, 1.33x, Panasonic 8:3
<b>Technology</b>	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit
<b>HDR</b>	
<b>AtomHDR</b>	Yes
<b>Supported Log formats</b>	Sony SLog2 / SLog3, Canon CLog / CLog 2, Arri Log C, Panasonic Vlog, JVC JLog, Red LogFilm
<b>Supported Gamuts</b>	Sony SGamut / SGamut3 / SGamut3.cine Canon Cinema / BT2020 / DCI P3 / DCI P3+ Panasonic V Gamut Arri Alexa Wide Gamut
<b>Bit depth</b>	10-bit (8+2 FRC)
<b>Brightness</b>	1500nit (+/- 10%)
<b>PQ in/out In = Post    Out = Monitor</b>	Yes / Yes
<b>Video input/loop out</b>	
<b>HDMI</b>	1 x HDMI (1.4b)
<b>SDI</b>	-
<b>Signal</b>	Uncompressed true 10-bit or 8-bit 422 (camera dependent)
<b>Video output (play out)</b>	
<b>HDMI</b>	1 x HDMI (1.4b)
<b>SDI</b>	-
<b>Signal</b>	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)

<b>Supported loop out formats</b>	
<b>HDMI to HDMI</b>	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120, 2160p 24/25/30
<b>SDI to SDI</b>	-
<b>Video signal conversion</b>	
<b>HDMI to SDI</b>	-
<b>SDI to HDMI</b>	-
<b>Supported Codecs &amp; frame rates (record &amp; playback)</b>	
<b>Raw to CDNG (Record only)*</b>	N/A
<b>Raw to ProRes / DNxHR</b>	N/A
<b>Video to ProRes / DNxHR</b>	<b>Codecs</b> Apple ProRes HQ, 422, LT AVID DNxHR HQX, HQ, SQ, LB  <b>Frame rates</b> 4K UHD; 24/25/30 1080p; 24/SF24/25/SF25/30/SF30/50/60/100/120 1080i; 50/60i 720p; 50/60p
<b>Onboard processing</b>	
<b>Pulldown removal</b>	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)
<b>4K UHD downscale for HD monitoring</b>	Yes - Loop-out and playback
<b>Audio in/out (48kHz PCM audio)</b>	
<b>HDMI</b>	2 or 8ch 24-bit, camera dependent
<b>SDI</b>	-
<b>Audio</b>	Line in / Mic in / Headphone out 2ch 48kHz 24-bit
<b>Remote start/stop</b>	
<b>HDMI</b>	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard
<b>SDI</b>	-
<b>Other</b>	LANC control - Slave
<b>Playback</b>	
<b>Playlist</b>	Yes
<b>Genlock/LTC</b>	-
<b>Recording</b>	
<b>Pre-roll record</b>	Yes (HD 8s, 4K 2s)
<b>Custom timelapse</b>	Yes
<b>Meta data tagging</b>	Yes (10 tags available)
<b>Supported media (Approved List Only)</b>	4K / HD (50/60/120p) SSD 2.5", HDD (7,200 up to 1080p60)
	HD SSD 2.5", HDD (5,400 up to 1080p30)
<b>Master caddy case</b>	Master Caddy II (included) 75mm x 105mm x 12mm
<b>Master caddy dock</b>	2.5" SATA to USB 2.0/3.0
<b>Supported applications</b>	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015
<b>XML support</b>	FCPX XML native, FCP7 supported with conversion (Adobe compatible)
<b>Accessories included</b>	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
<b>Optional extras</b>	Atomos HDMI cable, X-Rite 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 blackout 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