



Atomos Ninja Flame HDMI 7.1Inch AtomHDR 1500nit Field Monitor & 4K/HD Recorder Specification

Atomos Ninja Flame

Specifications

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 30p) 7800mAh - up to 2.2hrs (monitor & record 4K 30p)
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
Aspect ratio:	16:9 native
Color Gamut:	REC709 HDTV
Look up table (LUT) support:	3D LUT (.cube le format)



Anamorphic de-squeeze: 2x, 1.5x, 1.33x, Panasonic 8:3

Technology: SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder

HDR

AtomHDR: Yes

Supported Log formats: Sony SLog2 / SLog3, Canon CLog / CLog 2, Arri Log C, Panasonic Vlog, JVC JLog, Red LogFilm

Supported Gamuts: Sony SGamut / SGamut3 / SGamut3.cine

Canon Cinema / BT2020 / DCI P3 / DCI P3+

Panasonic V Gamut

Arri Alexa Wide Gamut

Bit depth: 10-bit (8+2 FRC)

Brightness: 1500nit (+/- 10%)

PQ in/out: In = Post Out = Monitor Yes / Yes *

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 Codecs & frame rates (record & playback)

Raw to CDNG (Record only)*:	N/A
Raw to ProRes / DNxHR:	N/A
Video to ProRes / DNxHR:	Codecs Apple ProRes HQ, 422, LT AVID DNxHR HQX, HQ, SQ, LB
	Frame rates 4K UHD; 24/25/30 1080p; 24/SF24/25/SF25/30/SF30/50/60/100/120 1080i; 50/60i 720p; 50/60p

Onboard processing

Pulldown removal:	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)
4K UHD downscale for HD monitoring:	Yes - Loop-out and playback

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:	-

Playback

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, X-Rite calibration

* Available in future firmware updates