Shoot in log from the camera and for the first time, thanks to the AtomHDR engine, reproduce the vibrant colors & brightness of HDR in post production on a field monitor. The Shogun Flame is a 7” 10-bit 1500nit Field Monitor with the AtomHDR engine, connections for HDMI / SDI / XLR and recording for both Video and Raw (Sony & Canon) to 4K/HD 10-bit ProRes/DNxHR.

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/SDI; With both HDMI and SDI in/out you have the maximum flexibility in choice of camera including Raw SDI cameras like the Sony FS700/FS7 and Canon C500/C300MKII. With bi-directional conversion allowing you to add any camera to your HDMI or SDI workflow.

4K & Raw Recording; Record direct from the sensor at 4K UHD (up to 30p) or HD (50/60/120p) at higher resolution 10-bit color with precise yet efficient 4:2:2 color encoding. Even record Raw to ProRes/DNx for select Sony & Canon cameras.

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.
**SHOGUN FLAME SPECIFICATIONS**

### Weight
- Without batteries & media: 650g / 22.9oz
- With batteries & media: 1094g / 38.6oz

### 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 (including SSD)**: 10 - 24V
- **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**:
  - 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 file format)
- **Anamorphic de-squeeze**: 2x, 1.5x, 1.33x, Panasonic 8:3
- **Technology**: SuperAtom IPS panel (capacitive touch), calibration to Rec. 709 with optional calibration unit

### HDR
- **AtomHDR**: Yes
- **Supported Log formats**:
- **Supported Gamuts**:
  - Panasonic S Gamut, S Gamut3, S Gamut3.cine
  - Canon Cinema / BT2020 / DCI P3 / DCI P3+
  - Sony SGamut / SGamut3 / SGamut3.cine
  - 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/output
- **HDMI**:
  - 1 x HDMI (1.4b)
- **SDI**:
  - 1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G
- **Signal**:
  - Uncompressed true 10-bit or 8-bit 422 (camera dependent)

### Video output (play out)
- **HDMI**:
  - 1 x HDMI (1.4b)
- **SDI**:
  - 1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G
- **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 24/25/30/50/60/100/120, 720p 24/25/30
- **SDI to SDI**:
  - 720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120*, 720p 24/25/30

### Supported Codes & frame rates (record & playback)
- **Raw to CDNG (Record only)**:
  - Frame rates:
    - 4K DCI / 4K UHD: 24/25/30p
    - 2K / 1080p: 24/25/30/50/60/100/120p

### Video to ProRes / DNxHR
- **Frame rates**:
  - 4K DCI / 4K UHD: 24/25/30
  - 2K** / 1080p: 24/25/30/50/60/100/120

### Onboard processing
- **Pulldown removal**:
  - 24/25/30/50p > 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**:
  - 12ch 48kHz 24-bit
- **Audio**:
  - 2ch balanced XLR analog input
  - Dynamic range >90dB
  - Max signal level +24dBu
  - Max analog gain +50dB
  - 48V Phantom Power for Mic

### Remote start/stop
- **HDMI**: Auto HDMI Trigger
- **SDI**: SDI trigger camera selectable
- **Other**: LANC control - Slave

### Playback
- **Playlist**: Yes
- **Genlock/LTC**: Yes / Yes

### Recording
- **Pre-roll record**: Yes
- **Custom time lapse**: Yes
- **Meta data tagging**: Yes (10 tags available)

### Supported media (Approved List Only)
- **4K** / 1080p60
- **2K** / 1080p; 24/SF24/25/SF25/30/50/60, 50/60p
- **4K DCI** / 4K UHD; 24/25/30
- **60i > 24p (3:2 pulldown)
- **720p; 50/60p
- **1080i; 50/60i
- **1080p; 24/SF24/25/SF25/30/SF30/50/60/100/120p
- **4K UHD; 24/25/30p
- **2K*** / 1080p; 24/SF24/25/SF25/30/50/60, 50/60p
- **4K DCI** / 4K UHD; 24/25/30
- **2K** x 2 24/24/25/30/50/60, 720p; 50/60p
- **4K** / 1080p; 24/SF24/25/30/50/60, 50/60p
- **2K** / 1080p; 24/SF24/25/30/50/60, 50/60p
- **4K DCI** / 4K UHD; 24/25/30
- **2K** x 2 24/24/25/30/50/60, 720p; 50/60p

### Supported applications
- **Supported Applications**:
  - FCPX/FCP7+ / Media Composer 5.5+
  - Premier Pro 10+/ Vegas Pro 10+/ Lightworks / Avid Media Composer
  - Autodesk Smoke 2015

### Accessories included
- **Shogun Flame unit**: Custom yellow HPRC case, Custom YHBPC case, control cable, XLR breakout cable, 2 NP-F750 batteries, Fast battery charger, SATAB USB 3.0 HD SSD docking station, media box, D-Tap to DC power, HDMI / Genlock cable, Master Caddy II x 5, 12V-3A AC adapter x 2
- **Custom Yellow HPRC case**: Shogun Flame unit, Custom yellow HPRC case, control cable, XLR breakout cable, 2 NP-F750 batteries, Fast battery charger, SATAB USB 3.0 HD SSD docking station, media box, D-Tap to DC power, HDMI / Genlock cable, Master Caddy II x 5, 12V-3A AC adapter x 2

### What’s in the box:
- **Shogun Flame unit**: Fast battery charger, USB3 docking station
- **Custom Yellow HPRC hard flight case**: Coiled D-Tap to DC power cable
- **Control cable (2.5mm Female to 2 x 2.5mm Male)**: 5 x Master Caddy cases
- **XLR breakout cable**: 2 x 12V 3A AC-DC power adapter
- **2 x NP-F750 4-cell batteries**: Snap-fast sun hood

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* Specifications correct at time of printing E&OE
* * Available in a future firmware update.