Shogun Inferno combines advanced HDR & High brightness monitor technologies with High frame rate & Raw recording capability along with playback & editing functionality that encourages on set collaboration. Simply put it is the most advanced field monitor & most advanced external recorder combined to make mastering a high resolution, high frame rate, high dynamic range workflow available to all filmmakers.

INFERNO SERIES CORE FEATURES

RECORD
- Quad SDI: The Quad SDI inputs let you connect from cameras with multiple 1.5/3/6/12G SDI outputs without the need for converters.
- 4K 60P: Record and play out pristine ProRes/DNxHR in 4K resolution and 24/25/30/50/60p frame rates.

PLAY
- HD 240P: Apart from 4K recording, high frame rate HD from 50p to 240p can be recorded from cameras that output these high frame rates.
- RAW RECORD: Capture the RAW output from Sony F5/F55/F57/FS700 and Canon C300MKII/C500 over SDI, recording to either ProRes, DNxHR or CDNG.

MONITOR
- AtomHDR: AtomHDR lets you shoot with the high brightness range of your camera’s Log profile and preview the final, vibrant post production HDR result.
- 10-bit monitor processing increases the number of colors from 16.7 million for standard 8-bit panels to 1.07 billion, minimizing color banding on screen.

EDIT
- For Standard Dynamic Range (SDR) shooting ramp the brightness slider up to 1500 nit for hood-free outdoor monitoring.
- Apply a custom look to SDR footage by uploading an applying “.cube” 3D LUT’s. View in full/half mode on screen, output it to a monitor or record into the footage.

PROPER
- Music Video: Multi cam HDR/4K from Quad SDI cameras
- Sports: High frame rate ISO recordings
- Broadcast: Latest HDR and 4K 60p technologies
- Cinema: Latest HDR and 4K 60p technologies

PERFECT FOR:
- Music Video
- Multi cam HDR/4K from Quad SDI cameras
- Sports
- High frame rate ISO recordings
- Broadcast
- Latest HDR and 4K 60p technologies
- Cinema
- Latest HDR and 4K 60p technologies

RECORD
PLAY
MONITOR
EDIT

For Standard Dynamic Range (SDR) shooting ramp the brightness slider up to 1500 nit for hood-free outdoor monitoring.
Apply a custom look to SDR footage by uploading an applying “.cube” 3D LUT’s. View in full/half mode on screen, output it to a monitor or record into the footage.
Create playlists easily, either entire clips or tagged parts of clips, for playback on the unit or out to a larger screen.
Our patent pending Continuous power system automatically swaps to the second battery when power is low for uninterrupted recording in the field.
Record to visually lossless Apple ProRes or AVID DNxHD as an edit friendly, visually lossless industry benchmark independent of the camera brand used.
Take PQ out into larger HDR compatible larger screens or feed HDR from your NLE into the PQ input for HDR grading using your Atomos product.
## SHOGUN INFERNO SPECIFICATIONS

### Weight
- Without batteries & media: 709g / 25.0oz
- With batteries & media: 115g / 40.7oz

### Dimensions (W x H x D mm)
- 214 x 137 x 45mm, 6.4 x 5 x 1.8"

### Construction
- High quality lightweight ABS Polycarbonate for durability & portability
- Built-in armor protection

### Power
- Operating power (including SSD): 10 - 27W
- Compatible batteries: NP series and supporting accessories
- Input voltage (battery): 6.2V to 16.8V
- Battery time (based on 7.4V):
  - 5300mAh: 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 - 18.6V)
- Continuous power: Primary-secondary battery system
  - Change batteries without losing power
  - Loop batteries continuously
- *Patent pending

### 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
- AtomHDR: Yes
- Supported Log formats:
  - Sony (Log2 / SLog2), Canon Log / CLog 2, Ant Log C, Panasonic Vlog, JVC JLog, Red LogFilm
- Supported Gamuts:
  - Sony SGamut / SGamut3 / SGamut3.cine
  - Panasonic V Gamut
  - Canon Cinema / BT2020 / DCI P3 / DCI P3+
  - Sony SGamut / SGamut3 / SGamut3.cine
  - Panasonic Vlog, JVC JLog, Red LogFilm
- Bit depth:
  - 10-bit (6+2 FRC)
- Brightness: 1500cd (+/- 10%)
- PQ in/out:
  - In = Post    Out = Monitor
- Audio in/out:
  - 1 x DC in (6.2 - 16.8V)
- Video output:
  - SDI: 1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G

### HDMI
- 1 x HDMI (2.0)
- Support loop out formats:
  - HDMI to HDMI: 720p 50/59, 1080p 24/25/30/50/60/100/120/200/240p
  - SDI to HDMI: 720p 50/59, 1080p 24/25/30/50/60/100/120/240p

### SDI
- 1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G
- Support loop out formats:
  - HDMI to SDI: 720p 50/59, 1080p 24/25/30/50/60/100/120/240p
  - SDI to SDI: 720p 50/59, 1080p 24/25/30/50/60/100/120/240p

### Video signal conversion
- HDMI to SDI: 720p 50/59, 1080p 24/25/30/50/60/100/120/240p
- SDI to HDMI: 720p 50/59, 1080p 24/25/30/50/60/100/120/240p

### SHOGUN INFERNO PRODUCT INFO SHEET | APRIL 2016

### Supported Codecs & rate frames (record & playback)

#### Raw to CDNG (Record only)*
- Codecs: Cinema DNG for supported cameras (Sony F55/F57/FS700, Canon C300MKII, C500, Panasonic Varicam RAW*)
- Frame rates:
  - 4K (4:2:0) / 4K: 24/30p, 2/108fps, 24/25/30/50/60/120/240p

#### Raw to ProRes / DNxHR
- Codecs: Apple ProRes HQ, 422, LT
  - Adv DNxHR HQ, HQ, SQ, LB
- Frame rates:
  - 4K (4:2:0) / 4K: 24/30p, 2/108fps, 24/25/30/50/60/120/240p

#### Video to ProRes / DNxHR
- Codecs: Apple ProRes HQ, 422, LT
  - Adv DNxHR HQ, HQ, SQ, LB
- Frame rates:
  - 4K (4:2:0) / 4K: 24/30p, 2/108fps, 24/25/30/50/60/120/240p

### Onboard processing
- Pull down removal:
  - 24/25/30p (to 24fps)
  - SDI to HDMI
- 4K UHD downscale for HD monitoring:
  - Yes - Loop-out and playback (Not available in RAW)

### Audio input/output (48kHz PCM audio)
- HDMI: 2 or 6ch 24-bit, camera dependent
- SDI: 12ch: 48kHz 24-bit
- 2ch balanced XLR analog in/out
- Dynamic range >90dB
- Max signal level +24dBu
- Max analog gain +53dB
- 48V Phantom Power for Mic

### Remote start/stop
- HDMI: Auto HDMI trigger
- supported Protocols - Canon, Sony, Atomos Open Standard
- SDI: SDI trigger camera selectable
- Other: LANC control - Slave

### Playback
- Yes

### Genlock/LTC
- Yes / Yes

### Recording
- Pre-rollo record:
  - Yes (HD 30p / 4K 24p)
- Custom time lapse:
  - Yes
- Meta data tagging:
  - Yes (10 tags available)

### Supported media (Approved List Only)
- SSD 2.5" or HD: 7,200 up to 1080p60
- SD: 480 SSD for supported cameras (Sony FS5/FS7/FS7II)

### 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/KFCP7+/ Media Composer 5.0+ / Premiere 5.5+ / EDUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015

### XML support
- FCPX native, FCP7 supported with conversion (Adobe compatible)

### Accessories included
- Shogun Inferno unit, Custom yellow HPRC case, Control cable, XLR breakout 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 2, 12V/3A AC adapter x 2
- (Fast charger & DC power), HDR sunhood

### Optional extras
- Atomos HDMI cable, X-Rite calibration

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