RECORD 4K, HD AND RAW* DIRECT TO HOLLYWOOD EDITING STANDARDS

Record direct from the camera sensor to your choice of Apple ProRes, DNxHD/DNxHR or RAW* in 10-bit 422 quality onto affordable media options. Based on the camera's output the Shogun can accept and record up to 4K 30p and HD 120p over HDMI or 12/6/3/1.5G SDI. The creative recording options are impressive as well with multistep scheduled time lapse recording and pre-roll recording to ensure you never miss a shot. Use anamorphic de-squeeze monitoring to allow for those using 2x, 1.5x, 1.33x and even Panasonic 8:3 Anamorphic solutions.

Raw to ProRes/DNxHR recording available for Sony F700 & Sony FS7.

REVIEW INSTANTLY ON SET

Full playback controls allow collaboration on set to review content the moment it's captured, using the full suite of monitor tools on screen or out to a larger HDMI or SDI monitor. Our playlist feature makes reviewing rushes and favorite scenes even easier and with 4K to HD down scaling you can connect with HD monitors, wireless transmitters and Atomos HD recorders.

THE WORLD'S MOST ADVANCED AUDIO AND VIDEO MONITOR

A stunning 7.1" 1920 x 1200 320ppi IPS screen makes Shogun perfect as a director's monitor. Shoot more accurate colors with class leading 3D LUTs that can be viewed on screen, out to a monitor or burned into the recording. There's 2:1/1:1 zoom for critical focus, waveform, focal assist and an optional Spyder calibration unit. It's the perfect tool for perfect creative shot setup.

METADATA TAGGING AT POINT OF ACQUISITION

Save time in post by tagging your captured content the moment you review on set. Mark Favorite/Reject, create a custom playlist, add meta data tags and even cut in/out points. Save them out as an XML on the Shogun and drop straight onto the timeline of your favorite NLE.
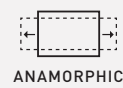
ProRes
Avid DNxHR
4K
HD

4K 422 10-BIT | 7" IPS SUPERATOM | RAW RECORD | ANAMORPHIC | 3D LUT | TIME LAPSE

HDMI 12/6/3/1.5G SDI | PRE ROLL | XLR AUDIO | CALIBRATE | WFM

START/STOP TRIGGER | I/O GENLOCK | FCPX XML | TIMECODE | SSD

SHOGUN SPECIFICATIONS

Weight	
Without batteries & media	460g / 16oz
With batteries & media	732g / 26oz
Dimensions (W x H x D mm)	196 x 110 x 47mm, 7.7 x 4.3 x 1.85"
Construction	High quality lightweight ABS Polycarbonate for durability & portability

Power	
Operating power	10 - 20W
Compatible batteries	NP series, D-Tap 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	via optional Power Station

Touchscreen	
Size	7.1"
Resolution	1920 x 1200
PPI	320
Aspect ratio	16:9 native
Color standard	REC709 HDTV
Look up table (LUT) support	3D LUT (on screen, on output, in recording, split screen view)
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder

Video input/loop out	
HDMI	1 x HDMI (1.4b)
SDI	1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)
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 (SMPTE)
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	720p 50/60, 1080i 50/60 1080pSF 24/25/30 1080p 24/25/30/50/60/120*, 2160p 24/25/30

Video signal conversion	
HDMI to SDI	720p 50/60, 1080i 50/60 1080p 24/25/30/50/60/120*, 2160p 24/25/30
SDI to HDMI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30

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

SHOGUN SPECIFICATIONS

Realtime hardware encoding		
4K-DCI RAW 4096x2160 to Supported cameras; Sony FS700, Sony FS7 Future support for Canon, Arri, AJA RAW	Apple ProRes HQ, 422, LT	DNxHR HQX, HQ, SQ, LB
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	12ch 48kHz 24-bit
Audio	2ch balanced XLR analog in/out Dynamic range >90dB Max signal level +24dBu Max analog gain +40dB 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	
Playlist	Yes
Genlock	Yes

Recording	
Pre Roll record	Yes (HD 8s, 4K 2s)
Custom time lapse	Yes
Meta data tagging	Yes (10 tags available)
Supported media (Approved List Only)	4K / HD (50/60/120p*) CFast 2.0, SSD 2.5", HDD (7,200 up to 1080p60) HD CFast 1.0, 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	Shogun unit, Custom HPRC Italian made carry case, 9V-3A AC adapter, Master Caddy II x 5, D-Tap adapter, 1 x 5200 mAh battery, Battery charger, XLR breakout cable, SATA 3/2 to USB 3/2 HDD/SSD docking station
Optional extras	Sunhood, Power Station, Spyder calibration

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