

SHOGUN PRODUCT INFO SHEET

- Updated JULY 2015

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.









































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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	(pres) and a separation (pres)		
HDMI to HDMI	720p 50/60, 1080i 50/60,		
SDI to SDI	1080p 24/25/30/50/60/120*, 2160p 24/25/30 720p 50/60, 1080i 50/60 1080pSF 24/25/30		
Video signal conversion	1080p 24/25/30/50/60/120*, 2160p 24/25/30		
	720p 50/60, 1080i 50/60		
HDMI to SDI	1080p 24/25/30/50/60/120*, 2160p 24/25/30 720p 50/60, 1080i 50/60,		
SDI to HDMI	1080p 24/25/30/50/60/120*, 2160p 24/25/30		
Supported formats (Record & Play	back)		
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 monitor	ring 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			
номі	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		