



## 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.

\* RAW recording with future firmware update

## 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. There is even 4K to HD down scaling to connect with existing HD infrastructure.

## 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, 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\*, upload custom 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.

\* Available with firmware 6.3





SHOGUN SPECIFICATIONS	
<b>Weight</b>	
<b>Without batteries &amp; media</b>	460g / 16oz
<b>With batteries &amp; media</b>	732g / 26oz
<b>Dimensions (W x H x D mm)</b>	196 x 110 x 47mm, 7.7 x 4.3 x 1.85"
<b>Construction</b>	High quality lightweight ABS Polycarbonate for durability & portability
<b>Power</b>	
<b>Operating power</b>	10 - 20W
<b>Compatible batteries</b>	NP series, D-Tap and supporting accessories
<b>Input voltage (battery)</b>	6.2V to 16.8V
<b>Battery time (based on 7.4V)</b>	-
	5200mAh - up to 1.5hrs (monitor & record 4K)
	7800mAh - up to 2.2hrs (monitor & record 4K)
<b>DC In</b>	1 x DC in (6.2 - 16.8V)
<b>Continuous power</b> * Patent pending	via optional Power Station
<b>Touchscreen</b>	
<b>Size</b>	7.1"
<b>Resolution</b>	1920 x 1200
<b>PPI</b>	320
<b>Aspect ratio</b>	16:9 native
<b>Color standard</b>	REC709 HDTV
<b>Look up table (LUT) support</b>	3D LUT (.cube file format)
<b>Technology</b>	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional Atomos Spyder
<b>Video input/loop out</b>	
<b>HDMI</b>	1 x HDMI (1.4b)
<b>SDI</b>	1 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)
<b>Signal</b>	Uncompressed true 10-bit or 8-bit 422 (camera dependent)
<b>Video output (play out)</b>	
<b>HDMI</b>	1 x HDMI (1.4b)
<b>SDI</b>	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)
<b>Signal</b>	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)
<b>Supported loop out formats</b>	
<b>HDMI to HDMI</b>	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30
<b>SDI to SDI</b>	720p 50/60, 1080i 50/60, 1080pSF 24/25/30, 1080p 24/25/30/50/60/120*, 2160p 24/25/30
<b>Video signal conversion</b>	
<b>HDMI to SDI</b>	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30
<b>SDI to HDMI</b>	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120*, 2160p 24/25/30
<b>Supported formats (Record &amp; Playback)</b>	
<b>4K</b>	2160p 24/25/30
<b>HD - high frame rate**</b>	1080p120*, 1080p60/50
<b>HD**</b>	1080i60, 1080i50, 1080p30, 1080p25, 1080p24, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p50
<b>4K UHD downscale for HD monitoring</b>	Yes - loop-out & playback

SHOGUN SPECIFICATIONS		
<b>Realtime hardware encoding</b>		
<b>4K-UHD 3840x2160 8/10-bit 4:2:2 to</b>	Apple ProRes: HQ, 422, LT DNxHR: HQX, HQ, SQ, LB	Lossless Cinema DNG* (data rate camera dependent)
<b>1920x1080 8/10-bit 4:2:2 to</b>	Apple ProRes: HQ, 422, LT DNxHD: 220x, 220, 145, 36	
<b>Onboard processing</b>		
<b>Pulldown removal</b>	24/25/30pSF > 24/25/30p (2:2 pulldown) 60i > 24p (3:2 pulldown)	
<b>Audio in/out (48kHz PCM audio)</b>		
<b>HDMI</b>	2 or 8ch 24-bit, camera dependent	
<b>SDI</b>	12ch 48kHz 24-bit	
<b>Audio</b>	2ch balanced XLR analog in/out Dynamic range >90dB Max signal level +24dBu Max analog gain +40dB 48V Phantom Power for Mic	
<b>Remote start/stop</b>		
<b>HDMI</b>	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard	
<b>SDI</b>	SDI trigger camera selectable	
<b>Other</b>	LANC control - Slave	
<b>Recording</b>		
<b>Supported media (Approved List Only)</b>	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)	
<b>Master caddy case</b>	Master Caddy II (included) 75mm x 105mm x 12mm	
<b>Master caddy dock</b>	2.5" SATA to USB 2.0/3.0	
<b>Supported applications</b>	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5+ EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	
<b>XML support</b>	FCPX XML native, FCP7 supported with conversion (Adobe compatible)	
<b>Accessories included</b>	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	
<b>Optional extras</b>	Sunhood, Power Station, Spyder calibration	