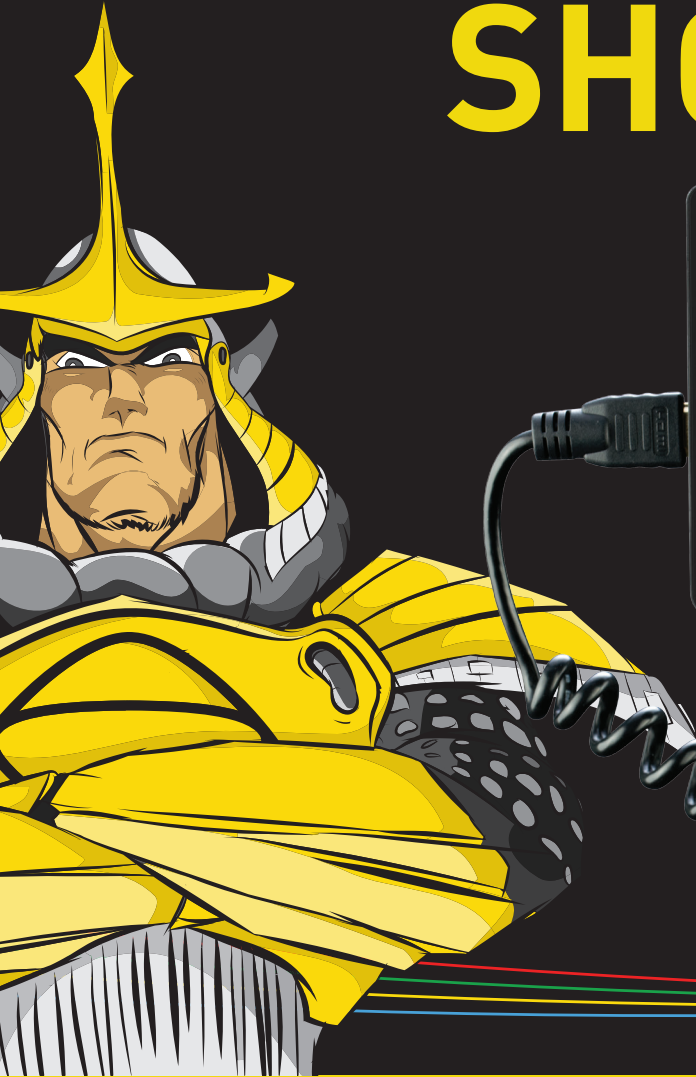




SHOGUN



THE **4K** WEAPON
FOR **4K** CAMERAS



FULL HD DIRECTOR'S MONITOR

A stunning 7.1" 1920 x 1200 320ppi screen with 178° viewing angle, makes Shogun perfect as a director's monitor. With class leading features like waveform, focal assist, zebra, calibration and 2:1 zoom it's the perfect tool for perfect shot setup.

5 HRS+
2TB+

4K MADE AFFORDABLE

We've tamed the complexity and cost of 4K. Record 5 hours of 4K ProRes 422 HQ on a 2TB HDD using our optional RAID caddy system for less than \$100, or to SSD or CFast. There are no hidden leasing costs for codecs after purchase - its all included in the price with Shogun.

4K

RECORD 4K & RAW

Record straight from the camera's sensor in pristine 4K Apple ProRes or Cinema DNG Raw over HDMI and 12G-SDI. Seamlessly switch between 4K cameras with HDMI to SDI and SDI to HDMI conversion.



HD

HIGH END HD

For HD recording, the Shogun is our most advanced product to date. Boasting 10-bit Apple ProRes recording, high frame rate 1080p120/60/50 and 2-way conversion between HDMI and SDI. The HD world is not forgotten with Shogun.

**HDMI
HD-SDI**





SHOGUN SPECIFICATIONS	
Weight	
Without batteries & HDD	460g/16oz
With batteries & HDD	645g/23oz
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
	Heat pipe cooling technology
Power	
Operating power	6.8W - 11W
Compatible batteries	NP series, D-Tap and supporting accessories (Nikon ENL6, Canon EL6)
Input voltage (battery)	6.2V to 16.8V
Battery time (Monitor HD)	2600mAh - up to 1.5hrs 5200mAh - up to 3hrs 7800mAh - up to 4.5hrs
Battery time (Monitor & Record HD)	2600mAh - up to 1hr 5200mAh - up to 2hrs 7800mAh - up to 3hrs
Battery time (Monitor & Record 4K)	2600mAh - up to 45mins 5200mAh - up to 1.5hrs 7800mAh - up to 2.2hrs
DC In	1 x DC in
Continuous power * Patent pending	via optional Powerstation
Powerstation continuous power dual supply	Optional
Touchscreen	
Size	7.1"
Resolution	1920 x 1200
PPI	320
Aspect ratio	16:9 native
Color standard	REC709 HDTV
Native frame rate playback	48-60Hz
Technology	SuperAtom IPS panel (capacitive touch), calibratable to REC709 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 10/8bit 4:2:2 (camera dependent)
Video output (play out)	
HDMI	1 x HDMI (1.4b)
SDI	1 x 12G HD/SD-SDI (SMPTE)
Signal	Uncompressed 10/8bit 4:2:2 (Playback file dependent)
Supported loop out formats	
HDMI to HDMI	1280 x 720p 50/60/120, 1920 x 1080i 50/60 1920 x 1080p 24/25/30/50/60/120, 3840 x 2160p 24/25/30
SDI to SDI	720p 50/60, 1080i 50/60 1080p 24/25/30/50/60/120 1080p 24/25/30/50/60/120 2160p 24/25/30
Video signal conversion	
HDMI to SDI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120p, 2160p 24/25/30
SDI to HDMI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120p, 2160p 24/25/30

SHOGUN SPECIFICATIONS		
Supported formats (in/out)		
4K	3840x2160 - 30p/25p/24p	
HD - high frame rate	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120p, 2160p 24/25/30	
HD	1080i60, 1080i59.94, 1080i50, 1080p30, 1080p25, 1080p24, 1080p23.98, 1080pSF23.98, 1080pSF24, 1080pSF25, 1080pSF30, 720p60, 720p59.94, 720p50,	
Realtime hardware encoding		
4K-UHD 3840x2160 8/10-bit 4:2:2 to	Apple ProRes HQ 422 LT	Lossless Cinema DNG* (data rate camera dependent)
1920x1080 8/10-bit 4:2:2 to	Apple ProRes HQ 422 LT	DNxHD* 220/220x 145 36
Onboard processing		
Pulldown removal	50i from 25PSF > 25P (2:2 Pulldown) 60i from 30PSF > 30P (2:2 Pulldown) 60i from 24P > 24P (3:2 Pulldown) 60i from 23.98P > 23.98P (3:2 Pulldown)	
Audio in/out (48kHz PCM audio)		
HDMI	2 or 8ch 24-bit, camera dependent	
SDI	12ch 48/96kHz 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 - Master and Slave	
Recording		
Supported media (Approved List Only)	4K / HD (50/60/120p) CFast SSD 2.5" Raided HDD (5,400 to 10,000rpm)	HD CFast SSD 2.5" HDD (5,400 to 10,000rpm)
Master caddy case	Master Caddy II (included) 75mm x 105mm x 12mm	
Master caddy dock	Master Caddy II RAID (optional) 75 x 115 x 25	
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	
Accessories included	Shogun unit, Custom HPRC Italian carry case, 9V-3A AC adapter, Master Caddy II x 5, D-Tap adapter, Battery (NP-570) x 1, Battery charger, XLR breakout cable, SATA 3/2 to USB 3/2 HDD/SSD docking station	
Optional extras	Master Caddy II RAID, Sunhood, Powerstation, CFast to SATA adapter, Spyder calibration unit	
Our future proof platform (Powerful Generation 2 Processor, Sata 3 @ 6Gb/s, Large FPGA with upgradability) is designed for the following in the future	12G-SDI 4K 60/50p Support Apple ProRes HD 4:4:4 10-bit 3D LUTs FS700 RAW decode Full 4K - 4096 x 2160 support	

All specifications correct when published, subject to E&OE.

* Available in a future firmware update.