

Weight and Dimensions	
Without batteries	709g / 25oz.
Dimensions (W x H x D mm)	214 x 127 x 45mmmm
Construction	Polycarbonate ABS
Mounting points	1/4"-20 screw mount. 1x top and 1x bottom
Power	
Operating power	Polycarbonate ABS
Compatible batteries	NP-F series 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 30p) 7800mAh – up to 2.2hrs (monitor & record 4K 30p)
DC In	1 x DC in (6.2 - 16.8V)
Touchscreen	
Screen	Capacitive touch
Size	7.2"
Resolution / PPI	1920 x 1080 / 325ppi
Aspect ratio	16:9 native
Contrast ratio	1,000,000:1 (Zone backlight turned on)
Color Gamut	Up to Wide color gamut (105% DCI-P3)
Look up table (LUT) support	3D LUT (.cube format)
Anamorphic de-squeeze	2x, 1.5x, 1.33x
Dynamic AtomHDR Technology	
Backlight	Direct LED
Zones	360 direct backlight individual LEDs
LEDs	Wide Color Calibrated D65 or D9
Bit depth	10-bit (8+2 FRC)
Color	DCI-P3 105%
Brightness	1500nit (+/- 10%)
Control	On the fly real-time brightness analysis for LED contro
HDR Conversion	Log/RAW to HLG or PQ
HDR Monitoring Technology	
Gamma	Sony SLog / SLog2 / SLog3 Canon CLog / CLog2 / Clog3 ARRI Log CEI160 / LogCEI200 / LogCEI250 / LogCEI320 / LogCEI400 / LogCEI500 / LogCEI640 / LogCEI800 / LogCEI1000 / LogCEI1280 / LogCEI1600 Panasonic Vlog JVC JLog1 RED Log3G10 / RED LogFilm FujiFilm F-log Nikon N-Log PQ10k HLG
Gamut	Sony SGamut / SGamut3 / SGamut3.cine Canon Cinema / DCI P3 / DCI P3+ Nikon Bt2020 Panasonic V Gamut Arri Alexa Wide Gamut Rec709 / BT.2020 JVC RED WideGamut / RED DragonColor / DragonColor2 / RED Color2 / RED Color3 / RED Color4
Anamorphic de-squeeze	2x, 1.5x, 1.33x
Technology	IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit
AtomHDR	Yes
HDR Monitoring (Gamma)	Sony SLog / SLog2 / SLog3 Canon CLog / CLog2 / Clog3 ARRI Log CEI160 / LogCEI200 / LogCEI250 / LogCEI320 / LogCEI400 / LogCEI500 / LogCEI640 / LogCEI800 / LogCEI1000 / LogCEI1280 / LogCEI1600 Panasonic Vlog JVC JLog1 RED Log3G10 / RED LogFilm FujiFilm F-log Nikon N-Log PQ10k HLG
HDR Monitoring (Gamut)	Sony SGamut / SGamut3 / SGamut3.cine Canon Cinema / DCI P3 / DCI P3+ Panasonic V Gamut Arri Alexa Wide Gamut Rec709 / BT.2020 JVC RED WideGamut / RED DragonColor / DragonColor2 / RED Color2 / RED Color3 / RED Color4 /
Video Input / Loop out	
HDMI	HDMI 1 x HDMI (2.0)
SDI	Quad Link 4 x 3G/6G SDI*, 4 x 3G-SDI, 2x 12G single link SDI
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)
Genlock	Genlock input signal and output signal

Video Output (Layout)	
HDMI	1 x HDMI (2.0)
SDI	2x 4K-SDI 12G or HD-SDI 3G/6G
HDMI	Uncompressed true 10-bit or 8-bit 4:2:2 (camera dependent)
Supported Codecs & Frame Rates (Record & Playback)	
Raw to:	ProRes RAW ProRes CinemaDNG [CDNG up to 30p only] Avid DNxHD
Sony^^ FS700, FS-5, FS-7, FS-7MkII	4K DCI; 24/25/30/50/60p 4K UHD; not supported in camera 2K; 24/25/30/50/60/100/120/200/240p 1080; not supported in camera
Canon C300MKII/C500 CDNG	4K DCI; 24/25/30p 4K UHD; 24/25/30p 2K; not supported in camera 1080; not supported in camera
Panasonic VaricamLT, EVA1	5.7K DCI; 24/25/30p (EVA1 ProRes RAW only) 4K DCI; 24/25/30/50/60p 4K UHD; 24/25/30/50/60p 2K; 24/25/30/50/60/100/120/200/240p 1080; not supported in camera
Supported base resolution & FPS from cameras	4K DCI: 23.98/29.9/59.94p 4K UHD: 23.98/29.9/59.94p 2K DCI: 23.98/29.9/59.94p 1080p: 23.98/29.9/59.94p
Supported FPS & resolution from gaming consoles and graphic cards	1080p; 24/25/30/50/60/100/120
Onboard Processing	
Pulldown removal	24/25/30pSF → 24/25/30p [2:2 pulldown] 60i → 24p [3:2 pulldown]
4K UHD downscale for HD monitoring	Yes – Loop-out and playback (Not available in RAW)
Audio Out	
HDMI	2 or 8ch 24-bit, camera dependent
SDI	12ch 48kHz 24-bit
Audio	2ch balanced XLR analogue in/out Dynamic range →90dB Max signal level +24dBu Max analogue gain +52dB 48V Phantom Power for Mic.
Remote Start/Stop	
HDMI	Auto HDMI Trigger Supported Protocols – Dolby Vision, Canon, Sony, Atomos Open Standard
SDI	SDI trigger camera selectable
Other	LANC control - Slave
Playback	
Playlist / Genlock / LTC	Yes / Yes / Yes
CDNG (Recorded content)	No support
ProRes (Recorded content)	All recorded files can playback. Playback in slow motion →= 100fps
DNxHR / DNxHD (recorded content)	All recorded files can playback. Playback in slow motion →= 100fps
Recording	
Pre-roll record	Yes (HD 8s, 4K 2s)
Custom time lapse	Yes
Meta data tagging	Yes (10 tags available)
Supported media	2.5" SSD/HDD compatibility depends on recording format, resolution and frame rate. Visit atomos.com/drives for list of tested and approved drives
Master caddy case	Master Caddy II (included)
Master caddy dock	75mm x 105mm x 12mm
Supported applications	2.5" SATA to USB 2.0/3.0
What's in the Box	
Accessories included	Shogun 7 unit, Master Caddy II x 1, 12V-3A AC power supply, Carry Case
Optional extras	
Accessories	Accessory Kit: 2 x battery, 1 x charger, 1 x power supply, HPRC case, USB dock, control cable, Dtap cable, Master Caddy x 4, Power supply, Sun hood Power Kit: 2 x battery, 1 x charger, 1 x power supply Other: Atomos HDMI cable, Breakout XLR Cable, X-Rite i1DisplayPro calibration
Warranty	
1 Year from date of purchase	The main product, not including the IPS screen.

Construction note: Shogun 7 is designed to operate in ambient temperatures up to 40°C/104°F. If you wish to extend the temperature of operation in high temperature conditions, set the TFT brightness to a minimum.

Please note: Specifications are subject to change without notice. All information correct at time of publishing.