

## Weight

Without batteries & media	709g / 25oz.
Dimensions (W x H x D mm)	214 x 127 45mm
Construction	Polycarbonate ABS
Mounting points	1/4"-20 screw mount. 1x top and 1x bottom

## Power

Operating power	10 - 33W
Compatible batteries	Atomos NP-F series and supporting accessories
Input voltage (battery)	6.2V to 16.8V
Battery time (based on 2 x 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

Size	7.2"
Resolution	1920 x 1200
PPI	325
Aspect ratio	16:9 native
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
Technology	Dynamic AtomHDR zoned backlight IPS LCD

## Dynamic AtomHDR Technology

Backlight	Direct LED
Zones	360 direct backlight individual LEDs
LEDs	Wide Color Calibrated D65 or D95
Bit depth	10-bit (8+2 FRC)
Color	DCI-P3 105%
Brightness	3000nits (+/- 10%)
Control	On the fly real-time brightness analysis for LED control
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 /

## 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 (Play Out)

HDMI	1 x HDMI (2.0)
SDI	2x 4K-SDI 12G or HD-SDI 3G/6G

## Video Output (Play Out)

Signal Uncompressed true 10-bit or 8-bit 422  
(playback file dependent)

## Video Signal Conversion

HDMI to SDI -  
SDI to HDMI -

## Audio In/Out (48kHz PCM Audio)

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  
Headphone out 3.5mm 2ch.

## Supported Codecs & Frame Rates (Record & Playback)

Raw to: ProRes RAW  
ProRes  
CinemaDNG  
(CDNG up to 30p only)  
Avid DNxHD

Sony<sup>^^</sup>  
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

## Audio In/Out (48kHz PCM Audio)

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)

## 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 timelapse	Yes*

## Recording

Supported media	2.5" SSD/HDD compatibility depends on recording format, resolution and frame rate. Visit <a href="http://atomos.com/drives">atomos.com/drives</a> for list of tested and approved drives
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	Final Cut Pro / Media Composer / Premiere Pro / After Effects / EDIUS / Vegas Pro / Lightworks / Autodesk Smoke

## What's In The Box

Accessories included	Shogun 7 unit, Master Caddy II x 1, 12V-3A AC power supply, Carry Case Quick Start guide
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## Optional extras

Optional extras	<b>Accessory Kit:</b> 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 <b>Power Kit:</b> 2 x battery, 1 x charger, 1 x power supply <b>Other:</b> Atomos HDMI cable, Breakout XLR cable, X-Rite i1DisplayPro calibration
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### All specifications correct when published, subject to E&OE.

24/30/60 frame rates also means 23.98/29.97/59.94 frame rates for all resolution

\*Available in future firmware updates

\*\* Optional unit (XDCA-FS7) needed for Raw output."