

Shogun Classic

Physical

Dimensions (W x H x D mm)	214mm x 127mm x 45mm / 8.43" x 5.00" x 1.77"
---------------------------	--

Weight	738g / 26oz
--------	-------------

Mounting Points	1/4"-20 screw mount. 1x top and 1x bottom
-----------------	---

Environmental

Ambient operating temperature	Up to 40 Degrees Celsius
-------------------------------	--------------------------

Construction

Body	Glass fiber reinforced polycarbonate
------	--------------------------------------

Cooling	Heat Sink + Actively controlled Fan
---------	-------------------------------------

Touch Screen	Capacitive Touch
--------------	------------------

Power

Input Voltage	6.2V to 16.8V
Compatible Batteries	2x NP-F / L-Series batteries and supporting accessories
DC in Connector	1 x DC in (6.2 - 16.8V)
Display	
Display Panel	IPS panel (capacitive touch)
Size	7.2"
Resolution	1920 x 1200 (1920 x 1080 Image Display)
PPI	325
Bit Depth	10-Bit (8+2 FRC)
Backlight Type	Zone Backlight (Full-Array Local Dimming)
Brightness (cd/m ² / nits)	3000nit (+/- 10%)
Aspect ratio	16:10 native resolution 1920 x 1200
Color Gamut	Up to Wide color gamut (105% DCI-P3)

Calibration Support	ATOMOS Calibrator with Display Pro HL and Display Plus HL
Color Pipeline	
Gamma	Sony SLog/SLog2/SLog3, Canon CLog/CLog2/CLog3, ARRI Log CEI160/Log CEI200/Log CEI250/Log CEI320/Log CEI400/Log CEI500/Log CEI640/Log CEI800/Log CEI1000/Log CEI1280/Log CEI1600, 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+, Panasonic V Gamut, Arri Alexa Wide Gamut, Rec709/BT.2020, JVC, RED WideGamut/RED DragonColor/DragonColor2/RED Color2/RED Color3/RED Color4
3D LUT Display	3D LUT (.cube format)
Monitoring Modes	Native / 709 / HLG / PQ / 3D LUT
HDR Output Conversion	Camera Log to HLG / PQ
Color Management	
Calibration	ATOMOS Calibrator with Display Pro HL and Display Plus HL

AtomHDR	Yes
3D LUTs	Yes
Legalize	Full to Legal Range Conversion available via Input Menu
Video Input	
HDMI	HDMI 1 x HDMI (2.0)
SDI	Quad Link 4 x 3G/6G SDI*, 4 x 3G-SDI, 2 x 12G Single Link SDI
Bit Depth	8/10-Bit for Video
Video Chroma Subsampling	YCbCr 4:2:0 & 4:2:2
HDR	HDMI Auto Detection
Video Output	
HDMI	1 x HDMI (2.0)
SDI Loop / Play Out	Quad Link 4 x 3G/6G SDI*, 4 x 3G-SDI, 2 x 12G Single Link SDI

HDR	Yes with auto detection
Video Signal Conversion	
HDMI to SDI	Supported
SDI to HDMI	Supported
Audio In/Out	
Audio Quality	24-Bit / 48kHz
Audio Codec	PCM
HDMI	2 or 8ch 24-Bit, Input dependent
SDI	12ch 48kHz 24-Bit
Analog Audio In	Via optional 2 in 2 out XLR cable
Analogue Audio Out / Headphone Jack	3.5mm Jack
Audio Input Delay	Frame Delay on Analog Input (applied to recorded files)
Timecode / Sync	

HDMI Embedded	Supported
SDI Embedded	Supported
Time of Day	Supported
LTC	via full-sized BNC SYNC Port
Wireless SYNC	Connect an Atomos UltraSync One to the full-sized BNC SYNC Port
Resolution and Frame Rates (Record, Monitor & Playback)	
4K DCI	up to 4Kp60
4K UHD	up to UHDp60 via HDMI and SDI
2K DCI 2048 x 1080	up to 2Kp60 via SDI
FHD 1920 x 1080 Progressive	up to 1080p120 via SDI
FHD 1920 x 1080 PsF	Only via Pulldown to Progressive
FHD 1920 x 1080 Interlaced	1080i50 / 1080i60 via HDMI or SDI
1280 x 720p	up to 720p60

Recording Codecs

Apple ProRes	HQ, 422, LT
--------------	-------------

Avid DNxHD	220x, 220, 145, 36 (.MOV Wrapper)
------------	-----------------------------------

Avid DNxHR	HQX, HQ, SQ, LB (.MOV Wrapper)
------------	--------------------------------

Recording Functions

Pre-roll Recording	8s HD / 4K 2s
--------------------	---------------

Timelapse	Supported
-----------	-----------

Playback

Playlist	Selected Clips, Favorites, or Combined
----------	--

Loop	Supported, with user-customizable In / Out Markers
------	--

Apple ProRes	HQ, 422, LT (Linear PCM Audio only)
--------------	-------------------------------------

Avid DNx	DNxHD: 220x, 220, 145, 36 – DNxHR HQX, HQ, SQ, LB (Linear PCM Audio only)
----------	--

Supported Media

Master Caddy I	Not Supported
Master Caddy II	Supported
Master Caddy III	Supported
SSDmini	Supported
File System	exFAT
Interface	SATA 3.0
On-Screen Tools	
Waveform	3 Sizes – Adjustable Opacity & Brightness
RGB Parade	3 Sizes – Adjustable Opacity & Brightness
Vector Scope	2 Sizes – Adjustable Opacity & Brightness
1 x Zoom	Tap to Zoom
2 x Zoom	Tap to Zoom
Focus Peaking	3 Modes (Color, Black & White, Outline) with adjustable Outline Color & Peaking Intensity

Zebra	Adjustable Threshold (50% to 105%)
Isolate Color Channel	Blue Only
Cine Frame Guides	6 Presets
Social Frame Guides	4 Presets
Safe Areas	SMPTE Safe Title Area – 93% & 90%
Grid Markers	9 Grid
Anamorphic Desqueeze	2x, 1.8x, 1.6x, 1.5x, 1.33x, 1.25x
Display Flip	Vertical
Colorized Exposure	Atomos False Color
Onboard Signal Processing	
4K UHD Downscale for HD	Loop-out and playback
DCI Crop	Available on loop out
Interlaced to Progressive	2:2 & 3:2 Pulldown

Psf to Progressive

2:2 & 3:2 Pulldown

Remote Control

HDMI

Auto HDMI Trigger Supported Protocols – Dolby Vision, Canon, Sony, Atomos Open Standard

SDI

SDI trigger camera selectable

Serial 2.5mm Jack

Start & Stop Recording via compatible LANC Remotes

Cut & Tag

FCP XML

Up to 10 Tags supported for each Clip

Supported Applications

XML

Apple Final Cut Pro (.fcpxml)

Video Codecs

All NLE applications that support Apple ProRes and Avid DNx in an .MOV Wrapper

What's in the box

Box Contents

Shogun Classic unit, Master Caddy II x 1, 12V-3A AC power supply, Carry Case, Quick Start Guide

Optional Extras

AtomX Monitor Mount, AtomX Magic arm 10" / 13", USB-C
Dock, PowerKit, HDMI Cables
