

## Clifton Cameras Product Specification

### ATOMOS Shinobi 7 Full Spec

#### Physical Specifications

Dimensions (W x H x D mm)	198 x 133 x 39
Weight	577g / 1.04lb
Mount points	1 x Anti rotation 1/4"-20 top and bottom

#### Environmental

Ambient operating temperature	Up to 40° C
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#### Construction and Control

Body	Polycarbonate ABS Plastic
Cooling	Actively controlled fan and heat sink
Multi-function button	Power / lock Screen

#### Power

Input voltage	6.2V - 16.8V
Operating power	5.8V - 7.2V
Compatible batteries	2 x NPF L series
Built in battery	No
Battery Run time (Record)	5200mAh - up to 2hrs, 7800mAh - up to 3hrs
Continuous power	Dual battery slots

DC in connector	Locking DC jack
Dtap	Via optional DTap to DC cable
<b>Display</b>	
Touchscreen	SuperAtom IPS panel (capacitive touch)
Size	7"
Resolution	1920 x 1200
PPI	325
Bit depth	10-bit (8+2 FRC)
Backlight Type	Edge lit
Brightness (cdm2 / nits)	2200 +/- 10%
Aspect ratio	16:9 Image Display
Color Gamut	Rec.709
Calibration support	Atomos Calibrator with Xrite i1 Display Pro / Plus (Retail)
<b>Color Pipeline</b>	
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 LogFilm / Log3G10 / Log3G12, FujiFilm Flog, PQ (HDR10), HLG, Nikon N-Log
Gamut	Bt2020, DCI P3, PDCI p3 65, Sony SGamut / SGamut3 / SGamut3.cine / Canon Cinema / DCI P3 / DCI P3+ / BT2020, Panasonic V Gamut, Arri Alexa Wide Gamut Rec709, JVC LS300, Red DragonColor / DragonColor2 / RedColor2 / RedColor3 / RedColor4 / RedWideGamut
3D LUT Display	.Cube Format
3D LUT Down Stream	Loop out
3DLUT 50/50	Yes
Monitoring Modes	Native / HLG / PQ / 3D LUT

HDR output Conversion	HLG / PQ
<b>Video Input</b>	
HDMI	1 x HDMI (2.0) 4Kp60
SDI	1 x 3G SDI - 2k p60
Bit Depth	8/10-bit Video
Video Chroma Subsampling	YCbCr 420 & 422
<b>Metadata</b>	
<b>Video Output</b>	
HDMI	1 x HDMI (2.0) 4Kp60
SDI Play out	1 x 3G SDI - 2Kp60
<b>Web Streaming</b>	
<b>Video Signal Conversion</b>	
HDMI to SDI	Yes
SDI to HDMI	Yes
<b>Audio In/Out</b>	
HDMI	2ch 24-bit, input dependent
SDI	8ch 24-bit, input dependent
Headphone out	3.5mm 2ch.
<b>Timecode / Sync</b>	

Embedded	HDMI and SDI
<b>Resolution and Frame Rates (Record, Monitor &amp; Playback)</b>	
4k DCI	Monitor Only: DCI: HDMI: 23.98p, 24p, 25p, 29.97p, 50p, 59.94p
4k UHD	Monitor Only: UHD: HDMI: 23.98p, 24p, 25p, 29.97p, 50p, 59.94p
2K DCI 2046 x 1080	Monitor Only: DCI 2046 x 1080: SDI: 23.98p, 24p, 25p, 29.97p, 50p, 59.94p
FHD 1920 x 1080 Progressive	Monitor Only: HDMI and SDI : 23.98/24/25/29.9/30/50/59.94/60p
FHD 1920 x 1080 Interlaced	Monitor Only: 50/59.94/60i 1280 x 720p: 50/59.94/60p
<b>Recording CODEC</b>	
CDNG	No - Monitor only
Apple ProRes RAW	No - Monitor only
Apple ProRes	No - Monitor only
Avid DNxHD	No - Monitor only
Avid DNxHR	No - Monitor only
H.265	No - Monitor only
H.264	No - Monitor only
<b>Playback</b>	
Playlist	No - Monitor only
<b>Recording functions</b>	
Pre-roll record	No - Monitor only
ISO Record	No - Monitor only

Switched Program Record	No - Monitor only
Timelapse	No - Monitor only
RAW to Video Record	No - Monitor only
Simultaneous proxy record	No - Monitor only
4k to HD	No - Monitor only
<b>Multi Input / Switching</b>	
<b>Supported media</b>	
SD	SD Card slot for LUTs / Firmware
File System	ExFAT
<b>On screen tools</b>	
MultiScope Analysis View	Image, selectable Waveform, Histogram, Vectorscopes and Audio bars
Waveform	Yes, 3 size / Position
Histogram	Luma and RGB
RGB parade	Yes, 3 size / position
Vector scope	Yes, 2 size / position and zoom
1 x Zoom	Yes. 1:1 Pixel mapping for 4K
2 x Zoom	Yes
4 x Zoom	Yes
Focus peaking	Color selected / focus assist sharpening / threshold setting / color / mono / edges only
False colour	Yes
Zebra	Yes, adjustable

Isolate color channel	Blue only
Cine Frame Guides	2.4:1, 2.35:1, 1.9:1, 1.85:1, 4:3
Social Frame guides	9:16, 1:1, 191:1, 4:5
Safe areas	Action and Graphic
Grid markers	9 Grid
Anamorphic desqueeze	1.25x, 1.33x, 1.5x, 1.8x, 2x
Display Flip	Vertical and Horizontal selfie mode
<b>Onboard Signal Processing</b>	
4K UHD Downscale for HD	Yes
DCI Crop	Yes
<b>Remote control</b>	
<b>External Device Control</b>	
Serial 2.5mm Jack	USB-C to Serial (ATOMCAB018)
USB	Camera control for supported cameras in future firmware release
RJ45	Camera control for supported cameras in future firmware release
<b>Supported Applications</b>	
<b>What's in the box</b>	
Accessories included	Shinobi 7, International DC power adaptor and Quickstart guide
Optional extras	Power Kit, HDMI cables, USB to serial cable, AtomX Mounting Arm (10" / 13"), Monitor Mount



**Warranty**

Standard

1 year. Extended to 3 years on product registration