

Spécifications techniques

Atomos SUMO 19M



Weight

Without batteries, media & stand	5.45kg / 12.0lb
With stand	6.0kg / 13.2lb
Dimensions (W x H x D mm)	504 x 310 x 63mm, 19.8" x 12.2" x 2.5" (without stand) 504 x 330 x 180mm, 19.8" x 13" x 7.1" (with stand)
Construction	Aluminium alloy chassis with built in armor protection
Mounting Points	1/4-20 screw; 4 x top, 4 x bottom, 2 x side 3/8-16 screw; 2 x top, 2 x bottom, 1 x side VESA mount rear

Power

Operating power	75W
Compatible batteries	V-Lock / Anton Bauer via XLR terminal (optional mounting plates available) 95Wh or larger recommended.
Input voltage (battery)	14.4V nominal
Battery time	Depends on Watt Hours specification of battery used
DC In	1 x DC in (12 - 16.8V)
Continuous power * Patent pending	Primary-secondary battery system. Change batteries without losing power Loop batteries continuously

Touchscreen

Size	19"
Resolution	1920 x 1200
PPI	120
Aspect ratio	16:9 native
Color Gamut	REC709 HDTV
Look up table (LUT) support	3D LUT (.cube format)
Anamorphic de-squeeze	2x, 1.5x, 1.33x, Panasonic 8:3
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit

HDR

AtomHDR	Yes
Supported Log formats	Sony SLog2 / SLog3, Canon CLog / CLog 2, Arri Log C, Panasonic Vlog, JVC JLog, Red LogFilm, FujiFilm Flog
Supported Gamuts	Sony SGamut / SGamut3 / SGamut3.cine Canon Cinema / BT2020 / DCI P3 / DCI P3+ Panasonic V Gamut Arri Alexa Wide Gamut

HDR

Bit depth 10-bit (8+2 FRC)
Brightness 1200nit (+/- 10% @ center)
HDR input (PQ/HLG) Yes / Yes
HDR output (PQ/HLG) Yes / Yes

Video input/loop out

HDMI 1 x HDMI (2.0)
SDI Quad link 4 x 3G SDI* or up to 12G single link SDI
Signal Uncompressed true 10-bit or 8-bit 422
 (camera dependent)

Video output (play out)

HDMI 1 x HDMI (2.0)
SDI 1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G
Signal Uncompressed true 10-bit or 8-bit 422
 (playback file dependent)

Supported loop out formats

HDMI to HDMI 720p 50/60, 1080i 50/60,
 1080p 24/25/30/50/60/100/120
 2160p 24/25/30/50/60
SDI to SDI 720p 50/60, 1080i 50/60
 1080pSF 24/25/30
 1080p 24/25/30/50/60/100/120
 2160p 24/25/30/50/60

Video signal conversion

HDMI to SDI 720p 50/60, 1080i 50/60,
 1080p 24/25/30/50/60/100/120/200*/240*
 2160p 24/25/30/50/60
SDI to HDMI 720p 50/60, 1080i 50/60,
 1080p 24/25/30/50/60/100/120/200*/240*
 2160p 24/25/30/50/60

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

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 in/out (48kHz PCM audio)

HDMI	2 or 8ch 24-bit, camera dependent
SDI	12ch 48kHz 24-bit 2ch balanced XLR analog in/out (direct XLR connection) Dynamic range >90dB
Audio	Max signal level +24dBu Max analog gain +52dB 48V Phantom Power for Mic
Headphone Out	3.5mm
Built-in Speakers	Yes

Remote start/stop

HDMI Auto HDMI Trigger
Supported Protocols - Canon, Sony, Atomos Open Standard
SDI SDI trigger camera selectable
Other LANC control - Slave

Playback

Playlist / Genlock	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
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) 75mm x 105mm x 12mm
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
XML support	FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools
Accessories included	Sumo unit, 1x Master Caddy II, 1x BattWing mounting bracket with 4x screws, 2x Desktop Feet with 4x 1/4" Mounting screws, AC power supply
Optional extras	Sunhood, VESA battery adapter plate, Atomos HDMI cable, X-Rite i1DisplayPro calibration
Warranty	1 year. Extended to 3 years on product registration