

Weight	
Without batteries & media	320g / 11.28oz
With batteries & media	-
With stand	6.0kg / 13.2lb
Dimensions (W x H x D mm)	151 x 91.5 x 31mm
Construction	Aluminium alloy chassis with ABS polycarbonate back plate
Mounting points	1/4-20 UNC screw mount; 1x top, 1x bottom

Power	
Operating power	10 - 19W
Compatible batteries	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 2hrs (monitor & record 4K +60p) 7800mAh - up to 3hrs (monitor & record 4K 60p)
DC In	
Continuous power * Patent pending	Continuous power with external adaptor*

Touchscreen	
Size	5"
Resolution	1920 x 1200
PPI	427
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
HDR Recording (Gamut)	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, PQ10k, HLG
HDR Monitoring (Gamma)	Sony SGamut / SGamut3 / SGamut3.cine / BT2020 Canon Cinema / DCI P3 / DCI P3+ / BT2020 Panasonic V Gamut Arri Alexa Wide Gamut Rec709 JVC LS300 Red DragonColor / DragonColor2 / RedColor2 / RedColor3 / RedColor4 / RedWideGamut
HDR Monitoring (Gamut)	Wide Color Gamut (SGamut / SGamut3 / SGamut3.cine / Canon Cinema / BT2020 / DCI P3 / DCI P3+ / Panasonic V Gamut / Arri Alexa Wide Gamut) mapping to Rec709 on screen Wide Color Gamut (SGamut / SGamut3 / SGamut3.cine / Canon Cinema / BT2020 / DCI P3 / DCI P3+ / Panasonic V Gamut / Arri Alexa Wide Gamut) mapping to Rec709 / BT2020 / DCI P3 on loop out
Bit depth	10-bit (8+2 FRC)
Brightness	1000nit (+/- 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	-
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)

Video Output (Play Out)	
HDMI	1 x HDMI (2.0)
SDI	-
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	-

Video Signal Conversion	
HDMI to SDI	-
SDI to HDMI	-

AtomXpansion Video Audio Power Extender In/Out	
Video	Up to 4Kp60
Audio	12 channels digital 24-bit 96KHz
Power	5V-16.6V

Supported Codecs & Frame Rates (Record & Playback)	
Video to ProRes / DNxHR	Apple ProRes HQ, 422, LT AVID DNxHR HQX, HQ, SQ, LB 4K DCI; 24/25/30/50/60p 4K UHD; 24/25/30/50/60p 2K 1080p; 24/25/30/50/60/100^/120^ 1080i; 50/60i, 720p; 50/60p
(DNx utilizes a .MOV wrapper)	

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

Audio In/out (48kHz PCM Audio)	
HDMI	2 or 8ch 24-bit, camera dependent
SDI	-
Audio	Line in / Mic in / Headphone out 2ch 48kHz 24-bit
Headphone out	3.5mm
Built-in speakers	Yes

Remote Start/stop	
HDMI	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard
SDI	-
Other	LANC control - Slave

Playback	
Playlist / GenLock / LTC	Yes / - / -
CDNG (Recorded content)	N/A
ProRes (Recorded content)	All recorded files can playback. Playback in slow motion.
DNxHR / DNxHD (recorded content)	All recorded files can playback. Playback in slow motion.

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	Ninja V unit, Master Caddy II x 1, 12V-3A AC power supply
Optional extras	Accessory Kit: 2 x battery, 1 x charger, 1 x power supply, EVA 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, X-Rite i1DisplayPro calibration

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

*** No HDMI spec for 2K DCI

^ From supported HDMI sources such as gaming consoles and graphics cards.

^^ Optional unit (XDCA-FS7) needed for Raw output.