ATOMOS

UNLOCK
Creativity

Rec Play Mon Edit

CONTENTS

UNLOCK *Creativity*

We're immensely proud to redefine the core tools and quality of delivery for professional filmmakers with our advanced recorder, playback and monitor & edit devices.

We love developing cutting-edge technology that propels the industry forward, with unbelievable price points. We've always been committed to putting users first, we pioneer simple, intuitive interfaces, opening technology up to the entire film-making community through our free AtomOS.
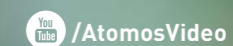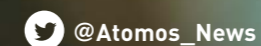
We're thrilled to be the first to bring Apple ProRes RAW to life in our portable monitor-recorders.

Making great products people love is the Atomos way.

Jeromy Young, CEO

/atomosglobal   @atomos_news   @Atomos_News   /AtomosVideo   /atomosvideo

Rec Play Mon Edit
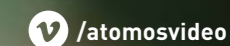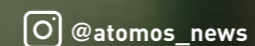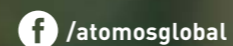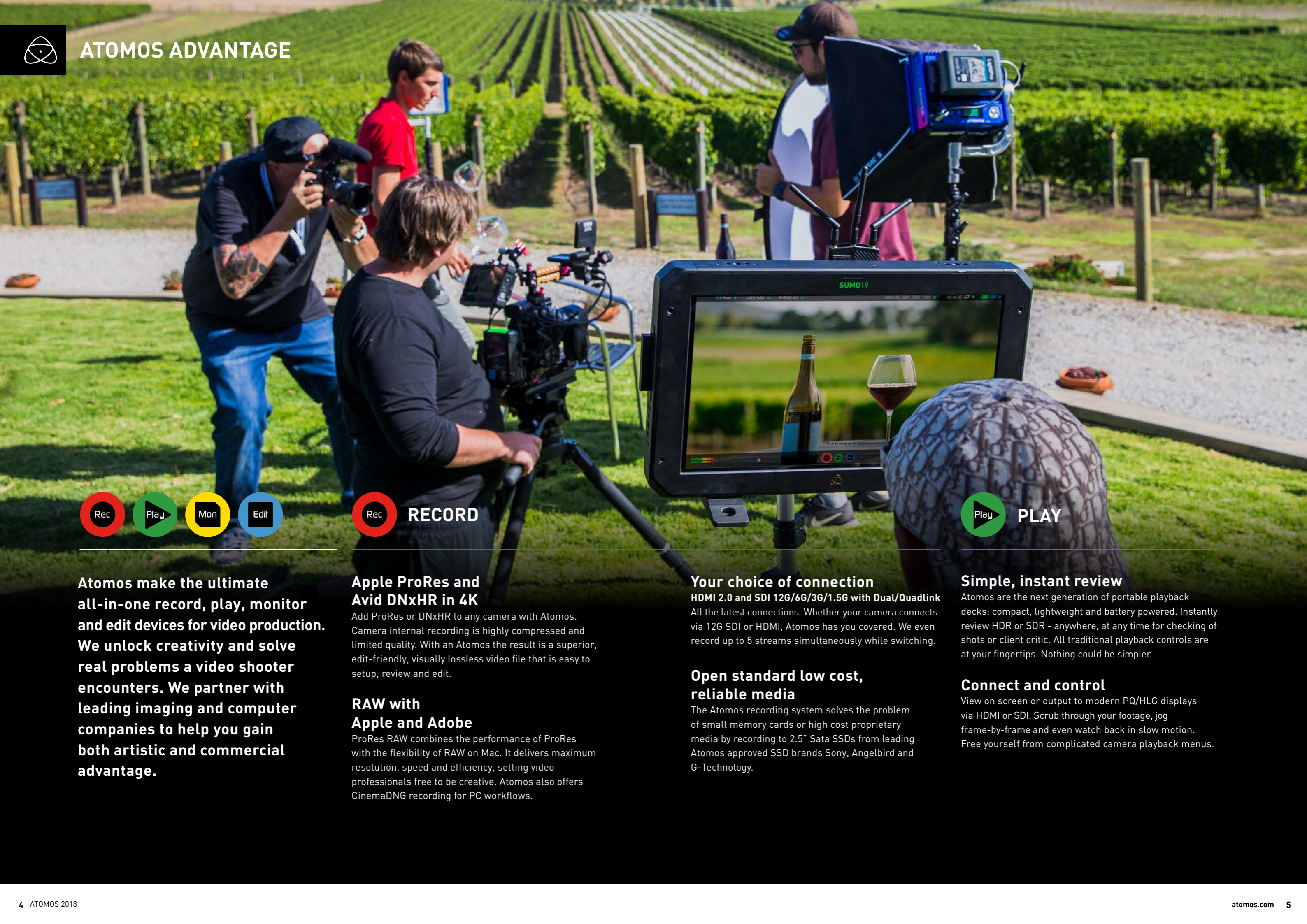
Atomos make the ultimate all-in-one record, play, monitor and edit devices for video production. We unlock creativity and solve real problems a video shooter encounters. We partner with leading imaging and computer companies to help you gain both artistic and commercial advantage.

Rec RECORD

Apple ProRes and Avid DNxHR in 4K

Add ProRes or DNxHR to any camera with Atomos. Camera internal recording is highly compressed and limited quality. With an Atomos the result is a superior, edit-friendly, visually lossless video file that is easy to setup, review and edit.

RAW with Apple and Adobe

ProRes RAW combines the performance of ProRes with the flexibility of RAW on Mac. It delivers maximum resolution, speed and efficiency, setting video professionals free to be creative. Atomos also offers CinemaDNG recording for PC workflows.

Your choice of connection

HDMI 2.0 and SDI 12G/6G/3G/1.5G with Dual/Quadlink
All the latest connections. Whether your camera connects via 12G SDI or HDMI, Atomos has you covered. We even record up to 5 streams simultaneously while switching.

Open standard low cost, reliable media

The Atomos recording system solves the problem of small memory cards or high cost proprietary media by recording to 2.5" Sata SSDs from leading Atomos approved SSD brands Sony, Angelbird and G-Technology.

Play PLAY

Simple, instant review

Atomos are the next generation of portable playback decks: compact, lightweight and battery powered. Instantly review HDR or SDR - anywhere, at any time for checking of shots or client critic. All traditional playback controls are at your fingertips. Nothing could be simpler.

Connect and control

View on screen or output to modern PQ/HLG displays via HDMI or SDI. Scrub through your footage, jog frame-by-frame and even watch back in slow motion. Free yourself from complicated camera playback menus.

MONITOR

EDIT

Video and audio
Accurate video and audio monitoring is essential for professional production. There is nothing more beautiful than a correctly composed and exposed image. Using inferior monitors means you are flying blind. Atomos takes out the guesswork, giving you the tools to see your images the way you envisioned – all in real-time. Atomos offer the best and most flexible monitoring options in the business.

Screen sizes for every production need
Atomos makes professional HDR monitor/recorders in 5.2", 7" and 19". Choose the compact 5.2" Ninja V to match the size of your DSLR or mirrorless camera, the highly acclaimed 7" Inferno and Flame series for a larger view and easier critical focusing, or the 19" Sumo series for use as a production, client, director's or in-studio edit monitor.

Simple HDR, high bright SDR, 3DLUTs
All our screens offer the same amazing 10+ Stops of HDR functionality and support 3D LUTs and high bright SDR Rec.709. Shoot in stunning RAW, Log or PQ/HLG, perfectly monitored in real time - nail exposure & focus and see your creative choices accurately while you film.

Multi-Cam monitoring
Our Sumo19 offers multi-view monitoring of up to four cameras in HD simultaneously. Monitoring tools are available on each channel or on all four at once. Four Audio Channels per HD signal are viewable and recorded.

Seamlessly bridge production and post
Shoot in the field and monitor in the studio – all with AtomOS. Our HDR monitor/recorders allow you to have the same vision and user experience at all stages of your production. Standard codecs like Apple ProRes RAW, ProRes and Avid DNxHR save you time and money in post.

From broadcasters to one-man-bands
Atomos monitors are used by everyone from solo operators to large TV networks. As production moves to 4K and HDR the core editing benefits of Atomos are the amazing codecs we use. Designed from the ground up for creativity, speed and minimal processing strain on your edit machine.

Speedy editing with tagging
Speed up your ingest and edit with our unique XML metadata tagging. Instantly tag clips on-screen during recording or playback to mark favorites or rejects and more. Bring your footage into your timeline and immediately see and filter your tags, streamlining your editing decisions and saving valuable time.

Offline file naming
In more advanced workflows, repeating the file name of the Online material from your ARRI or RED over SDI ensures speedy offline edit and review with perfect conforming when finishing.

ProRes RAW

Performance of ProRes. Flexibility of RAW.

Apple ProRes RAW combines the flexibility of RAW video with the incredible performance of ProRes. Import, edit and grade pristine video with RAW data straight from the camera sensor without slowing down your edit. ProRes RAW files provide maximum flexibility for adjusting the look of your video while extending brightness and shadow detail — the ideal combination for HDR workflows.

Available now on SHOGUN INFERNO and SUMO19 ▶ atomos.com/proresraw

Built into Atomos Recorders

Recording on your Atomos in ProRes RAW or ProRes RAW HQ supercharges your creativity and speed of production. Simply connect Sumo 19 or Shogun Inferno to your camera and every sensor pixel is beautifully preserved, instantly viewable, and ready to edit in Final Cut Pro on your Mac.

Beautiful films start with vision

See your creative vision perfectly displayed on our advanced HDR monitors. Every raw pixel is precisely processed to show the vibrancy the human eye sees. Intuitive image set up tools are at your fingertips in our AtomOS.

Unleash the world's best cameras

ProRes RAW preserves the deepest black to the brightest white and every color imaginable from your sensor. No matter whether you love Sony, Panasonic or Canon, connect your Atomos and set your RAW creativity free!

ProRes Raw Performance

Comparative Data Rates at 4K, 23.98

Uncompressed 12-bit RAW	
ProRes 444	
ProRes RAW HQ	
ProRes 422 HQ	
ProRes RAW	
ProRes 422	

Min/Max range

0   50   100   150   200   250   300   350
DATA RATE (MB/s)
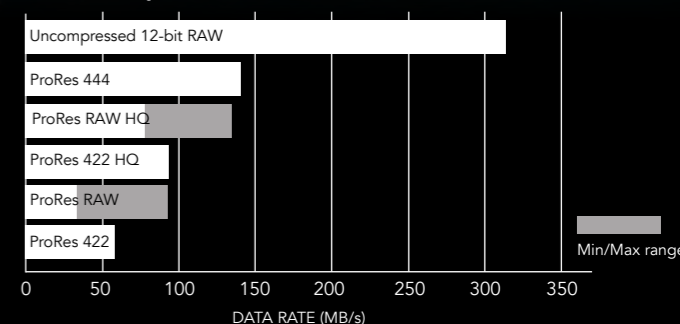
Final Cut Pro X Multicam Performance DCI 4K 59.94p*

ProRes RAW HQ	7
ProRes RAW	11

0   3   6   9   12
NUMBER OF SIMULTANEOUS 4K ANGLES

Battery & AtomXpansion Slot

SSD

Rugged aluminium body

1920 x 1080 HDR

10-bit HDR 1000nit High-bright

Quick release Sunhood

ProRes | 4K 60P | HD 50/60p | AtomHDR | 5" HIGH BRIGHT 1000 nit | HDMI | Avid DNxHR

ENTER THE NINJA V

For Mirrorless, DSLRs and Gaming! 4Kp60 10bit HDR 1000nit 350g Warrior

Small monitor made perfect
The stunning high bright 5.2 inch 10-bit HDR monitor has an astounding 1000nits of output. Its sleek aluminium body is crafted for maximum durability, weighing in at just 350g it stealthily attaches to any camera. Clearly see your images in daylight on the near edge-to-edge anti-reflection screen.

Record like a Ninja!
Record up to 4Kp60 10-bit HDR video direct from your cameras sensor over HDMI 2.0. Store edit-ready ProRes or DNxHR on affordable SSD drives and bypass internal compression and record time limits. The new compact AtomX Drive drive offers robust affordable storage options.

HDR/SDR perfection every time
The Ninja screen displays a stunning 10+ stops of dynamic range in real time from Log/ PQ/HLG signals. The display can be calibrated for perfect color accuracy every time with playout to HDR or SDR TV's. Clearly see your images in daylight on the near edge-to-edge anti-reflection screen.

Audio inputs
Audio can be input directly from the camera digitally via HDMI, or fed in analogue via a stereo 3.5mm line/mic socket – especially useful for cameras that do not have a mic input.

Endless Open Expansion!
Enhance the Ninja V through the in-built modular expansion slot. Bi-directional high speed video, audio and power are available. Expansion modules will dock onto the battery slot of the unit and offer advanced features.

THE COMPLETE VIDEO PRODUCTION TOOL

Set your set ablaze with Shogun Inferno, the ultimate 7" HDR monitor/recorder. Record ProRes RAW, ProRes, DNxHR or CDNG.

ProRes RAW

Record ProRes RAW
Unlock the true potential of your RAW cinema camera with the Shogun Inferno. Preserve your sensor's pristine pixels in ProRes RAW at up to 5.7kp30, 4kp120 DCI/UHD and 2kp240 DCI/HD. CDNG supports up to 4kp30 DCI. Inferno is compatible with Sony FS series, Canon C300MKII/C500 or Panasonic EVA-1/Varicam LT.

10-bit ProRes/DNxHR up to 4Kp60
Video from any camera or digital video source can be captured via SDI or HDMI. Record up to 10-bit 4:2:2 in ProRes or DNxHR codecs at 4Kp60 or 2Kp240, depending on the camera's capability. The depth and quality of the image is preserved with data rates of up to 1.8Gb/s, 220MB/s.

Bright, vibrant HDR images anywhere
The 7" 1920x1200 1500nit high bright HDR display allows you to see your images with unparalleled accuracy. Nail focus and exposure, even outside in daylight. The AtomHDR panel shows 10+ stops of HDR resolved in real time from RAW/Log/PQ/HLG sources.

Professional monitoring tool
Shogun Inferno has extensive monitoring tools, including custom 3D LUTs, false color, peaking, movable 1-1 and 2-1 pixel magnification, waveform, RGB parade, vectorscope. You can even calibrate for color accuracy.

Portable Playback Deck
The ultimate battery-powered playback deck, review and playout footage anywhere - scrub through, jog frame-by-frame and even watch back in slow motion. Metadata tag footage as you go to mark favorites, rejects and more. Bring your footage into your timeline and immediately filter your tags.

Balanced XLR monitor & record
Eliminate the need for a separate audio recorder. Add 48V stereo mics via the balanced XLR breakout cable. Select Mic or Line input levels, record up to 12 channels of digital audio from HDMI or SDI. Monitor selected stereo via the 3.5mm headphone jack. There are dedicated meters, gain controls and adjustments for frame delay.

Quad SDI & HDMI 2.0 In/Out
Seamlessly connect any SDI or HDMI device for monitoring and recording. Cross convert between HDMI 2.0 and 1.5G/3G/6G/12G/Quadlink SDI in almost any combination and eliminate the need for specialist converters.

HDR In/Out and cross conversion
Playout HDR as PQ or HLG to larger HDR compatible screens, or feed HDR in from your timeline using an I/O box for mobile HDR grading. Convert 4K SDI from your camera and output HD via HDMI or SDI to a wireless transmitter.

ProRes | 4K 60P | HD 240P | QUAD SDI | AtomHDR | HDMI | 7" HIGH BRIGHT 1500 nit | XLR AUDIO | Avid DNxHR

IN THE FIELD OR IN THE STUDIO

The most advanced HDR Production Monitor/Recorder/Switcher ever built. Really see what's going on in your image!

ProRes RAW

HDR in the field and the studio

HDR really comes to life on the Sumo19. It's 19" 1920 x 1080 LCD panel with 10-bit processing takes the RAW/Log/PQ/HLG output from cameras or games consoles and precisely maps to display 10+ stops of dynamic range in real time. Use as a director or client monitor in the field, or an affordable HDR studio monitor.

Record ProRes RAW

Unlock the true potential of your RAW cinema camera with the Sumo19. Preserve your sensor's pristine pixels in ProRes RAW at up to 5.7kp30, 4kp120 DCI/UHD and 2kp240 DCI/HD. CDNG supports up to 4kp30 DCI. Sumo19 is compatible with Sony FS series, Canon C300MKII/C500 or Panasonic EVA-1/ Varicam LT. Record up to 4kp30 in CDNG.

10-bit ProRes/DNxHR video up to 4Kp60

Video signals from almost any camera or digital video source can be captured via SDI or HDMI. Record up to 10-bit 4:2:2 in a choice of ProRes or Avid DNxHR codecs at 4Kp60 / 2Kp240, depending on the camera's capability. The depth and quality of the image is preserved with data rates of up to 1.8Gb/s, 220MB/s.

Live quad channel HD switching and recording

Live switch four 1080p channels and record each, plus the program out, as separate ISOs. Switch between feeds intuitively on-screen with cueing, cross fade and hard cuts. Use XML Metadata tags to generate instant multi-camera edits that replicate on your timeline for easy adjustment. Save space by replacing several boxes in your rack with a single Sumo19.

Two stereo balanced XLR inputs with 48V

Use full size XLR connections with 48V Phantom power to connect two external microphones with balanced analogue audio recording and monitoring. The Sumo19 has dedicated meters, gain controls and adjustments for frame delay on each channel. Mic or line level audio can be seamlessly synchronized with embedded audio from HDMI and SDI sources.

Quad SDI & HDMI 2.0 in/out

Seamlessly connect practically any SDI or HDMI device for monitoring and recording. Cross convert between HDMI 2.0 and 1.5G/3G/6G/12G/Quadlink SDI in almost any combination - without the need for specialist converters. The HDMI 2.0 input and output support up to 4Kp60, with built in HDR automation and camera control.

ProRes | 4K 60P | HD 240P | QUAD SDI | AtomHDR | HDMI | 19" HIGH BRIGHT 1200 nit | XLR AUDIO | Avid DNxHR

REFERENCE/CLIENT MONITORING

SUMO19M cutting edge dual SDI HDR or SDR monitor.

Realtime exposure on set
The AtomHDR engine perfectly maps Log/PQ/HLG from popular cameras or in the edit suite to SUMO19M's 10+ stop HDR panel in real-time for perfect exposure. Pass-on HDR/SDR to other devices over HDMI 2.0, 12G/DL-6G/3G/1.5G-SDI, in HD or 4K.

Noise free SDR with Log & AtomHDR
Today's productions require flexibility to perform, no matter the camera or production you must deliver both SDR and mind blowing HDR to your clients. Shooting Log from your camera gives you the maximum latitude and flexibility in Post Production to produce the cleanest noise-free images.

One touch simple monitoring
With the recording functions removed, the user interface on Sumo 19M has been redesigned to emulate button based monitors. All the precision scopes can be accessed from the home screen simple and intuitive just like your phone, with the processing power of a real pro monitor!

Selectable A-B-C inputs
The SUMO19M accepts up to 4Kp60 or HDp240 over HDMI or dual 12/6G3G-SDI inputs. Dedicated SDI input selection buttons make A/B comparison between sources simple with C reserved for HDMI. Simultaneous HDMI and SDI output of the selected input is available for routing to other monitors, recorders or switchers.

High bright 19" calibrated monitor
The extremely bright 1200nit display means you can accurately monitor, even when outside in full daylight. SUMO19M has a wide viewing angle so that everyone on set can review the action. Also features optional calibration for ongoing accurate HDR and Rec709 monitoring.

3D LUTs - Precise, flexible and infinite
Load an infinite number of custom LUTs onto SUMO19M via the HDD/SSD slot. Apply and compare looks for finishing is SDR or HDR. Take your favorite creative LUT and view with it on the Sumo19M and in your post suite for consistency through the shoot. All involved including clients, directors and crew can see the creative finish live on set!

4K 60P **HD** 240P **DUAL SDI** AtomHDR **HDMI** **19"** HIGH BRIGHT 1200 nit **ATOMHDR** 10 bit

REFERENCE/CLIENT MONITORING

ProRes | 4K 30P | HD 120P | RAW RECORD | AtomHDR | HDMI | 7" HIGH BRIGHT 1500 nit | XLR AUDIO | Avid DNxHR

The Shogun Flame combines our 7" HDR 1500nit monitor with 12-bit Raw & 10-bit ProRes/DNxHR video recording.

See HDR in real time
Stay ahead of your competitors. Upgrading to HDR is as easy setting your camera to Log, enabling the powerful AtomHDR engine to expose vibrant natural HDR video & then grade & edit with confidence on any Mac or PC using the Shogun Flame as your portable grading monitor.

12-bit RAW, 10-bit ProRes/DNxHR up to 4Kp30
Capture the RAW output from Sony FS5/FS7/FS700, Canon C300MKII/C500 or Panasonic EVA-1, Varicam LT over SDI up to 12-bit 4Kp30, as CDNG or to 10-bit ProRes 4Kp30 / 2Kp120 depending on the camera's capability. Video output is captured as either Apple ProRes or DNxHR in 10-bit 4:2:2 quality.

Balanced XLR monitor & record
Eliminate the need for a separate audio recorder by using the optional 48V stereo XLR breakout cable to connect and power external microphones for balanced analog audio with dedicated meters and adjustments for frame delay and gain.

High bright 1500nit 7" Calibrated Monitor
The 7" 1920 x 1200 monitor has the resolution, pixel density & 1500nit high brightness to make every shot look amazing without reflections washing out your image. Perfect for gimbal & Steadicam operators, delivering a crisp 4K image without the bulk and viewing angle restrictions of a sun hood.

Flexible SDI and HDMI connection
1.5/3/6/12G SDI and HDMI in/out with bi-directional conversion allows for hassle free connection to cameras/PC/Mac/game consoles. Output to larger monitors & TVs as well as signal switching to bring HDMI products into SDI workflows and vice versa

HDR in/out
Playout HDR as PQ or HLG to larger HDR compatible screens or feed HDR in as a PQ or HLG signal for mobile HDR grading.

PROFESSIONAL RESULTS ON A BUDGET

ProRes 4K 60P HDMI AtomHDR 7" HIGH BRIGHT 1500 nit XLR AUDIO Avid DNxHR

Combines a 7" HDR high bright monitor with XLR audio and 4Kp60 DCI/UHD recording over HDMI. Perfect for GH5/GH5S, Fuji Film X-H1, JVC, LS300 and game consoles.

Go HDR for the most vibrant, natural images

Keep up with the HDR revolution by upgrading to our AtomHDR panel with 10+ stops of dynamic range resolved in real time from Log/PQ/HLG camera signals on the calibrated 10-bit 1500nit screen to see the vibrancy and true-to-life images that HDR delivers.

High resolution, High frame rate recording

Record and play out pristine high bit rate Apple ProRes/ DNxHR in 4K resolution, 24/25/30/50/60p frame rates, 10-bit color resolution & 4:2:2 color accuracy.

XLR for your DSLR

Bypass the limited audio on your HDMI cameras and upgrade to professional levels with the optional 48V stereo XLR breakout cable to connect and power external microphones for balanced analogue audio with dedicated meters and adjustments for frame delay and gain.

High bright 1500nit 7" Calibrated Monitor

The world's most advanced 7" field monitor, with 1500nits brightness for outdoor shooting, native Full HD resolution & optional calibration to ensure natural LCD color drift can be corrected over time.
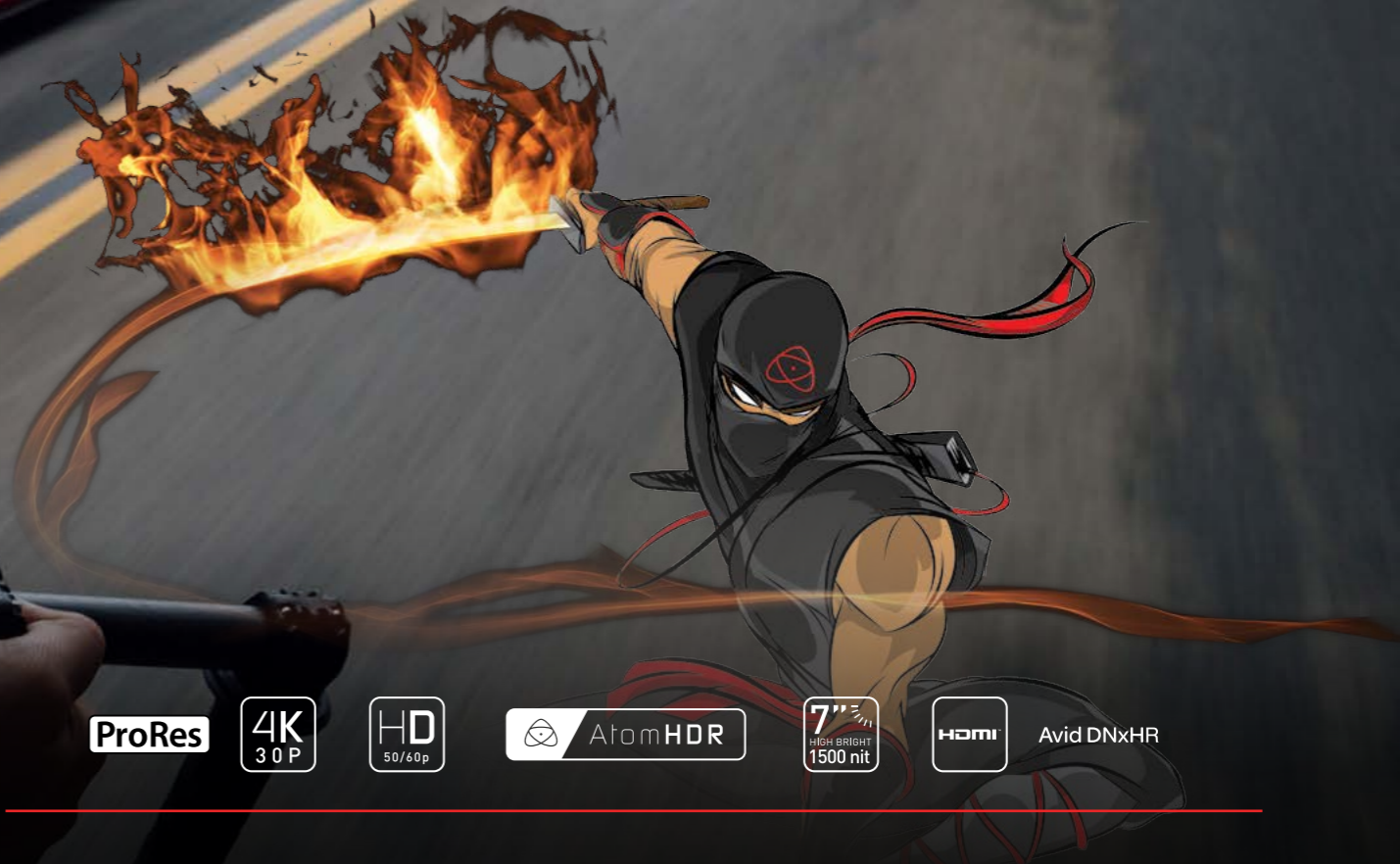
HDMI 2.0 in/out

HDMI 2.0 in/out for connection from HDMI sources such as the latest 4Kp60 HDR Log cameras and for play out to HDR & Rec709 monitors.

HDR in/out

Playout HDR as PQ or HLG to larger HDR compatible screens or feed HDR in as a PQ or HLG signal for mobile HDR grading.

UPGRADE YOUR MIRRORLESS/DSLR TO 4K HDR

ProRes | 4K 30P | HD 50/60p | AtomHDR | 7" HIGH BRIGHT 1500 nit | HDMI | Avid DNxHR

Upgrade your DSLR to HDR & 4K ProRes with the combined 7" HDR high bright monitor & 4Kp30 / HDp120 recording over HDMI.

See HDR in real time
Upgrading to HDR is as easy setting your camera to Log, enabling the powerful AtomHDR engine to expose vibrant natural HDR video. Grade and edit with confidence on any Mac or PC using the Ninja Flame as your portable grading monitor.

Professional 4K recording
Record direct from the sensor in high resolution 4K UHD (up to 30p) or high frame rate HD (50/60/120p) at higher resolution 10-bit color with precise yet efficient 4:2:2 color encoding.

Continuous power
Our patent pending Continuous power system automatically swaps to the second battery when power is low for uninterrupted recording in the field.

High bright 1500nit 7" Calibrated Monitor
The world's most advanced 7" field monitor, with 1500nits brightness for outdoor shooting, native Full HD resolution and optional calibration to ensure natural LCD color drift can be corrected over time.

Improved video quality
10-bit color resolution, 4:2:2 color accuracy and visually lossless Apple ProRes/DNxHR compression. Eliminate recording limitations on your video or photo camera.

Ready for any HDMI device
Full size HDMI in and out for connection to DSLR/ Mirrorless cameras, Gaming consoles, PC/Mac and output to larger HDMI screens.

DUAL RECORDER/MONITORS IN A RACK

ProRes | 4K RAW | HDMI 12/6/3/1.5G SDI | AtomHDR | 7" SUPERATOM IPS | XLR AUDIO | Avid DNxHR

Harnessing the latest 4K/HD recorder, monitor and playback technologies the Shogun Studio enhances existing HD workflows and provides an affordable rack mount solution for creating 4K Masters.

Dual Rack Monitor/recorders, consolidate space and allow the flexibility to manage large and small productions alike.

HDR in the rack on calibrated screens

Shogun Studio brings vivid post production HDR images into the rack. Preview HDR on the 7" 1920x1200 8-bit, 400nit panel which can be calibrated for ongoing color accuracy using the X-Rite i1DisplayPro.

Rack ready with redundant power & remote control

The 3RU dual channel Shogun Studio features redundant dual auto load balancing power supplies, SDI & HDMI Rec Start / Stop triggers that can be cascaded across multiple devices and the ability to be remotely controlled via 9pin RS422 Machine control or AMP over Ethernet.

Balanced XLR monitor & record

Supports up to 12 tracks 24-bit 48k audio on SDI, 2 channels XLR in at mic or line level, 48V phantom and audio delay as well as 2 XLR outputs per recorder.

High bit rate 4K & HD ISO recording

Record camera ISO feeds directly from the sensor via HDMI or SDI turning any camera into a studio head. Record high bit rate pristine Apple ProRes or AVID DNxHR/HD in 4:2:2 10-bit quality with file naming & Metadata.

Flexible SDI and HDMI connection

Shogun Studio has both HDMI and 12G SDI in/out (back compatible with 1.5/3/6G SDI). You can convert between HDMI and SDI (both ways) and downscale from 4K to HD on the outputs.

Dual channel recording

Put the Shogun Studio's dual channels to work with continuous 4K/HD recording that automatically records to the second drive when the first is full, dual codec recording to capture high bit rate masters & low bit rate proxies, record a 4K Master/HD deliverable or even dailies with burnt in LUTs.

CONNECT CONVERTERS

Atomos Connect Converter family is back

Mounting Ears included on all Converters

CONNECT CONVERT
HDMI TO SDI

#ATOMCCV-FS1

Compact, SD & HD broadcast quality HDMI to SDI converter featuring full size 3G/HD/SD-SDI, lockable HDMI, lockable DC power, removable included mounting ears and a rugged metallic housing. Perfect to connect HDMI video sources into SDI recorders, switchers, waveform monitors, vectorscopes, monitors and other SDI devices.

INPUT
HDMI
PROCESSING / PHYSICAL
Lockable HDMI
OUTPUT
SDI 3G, SD/HD-SDI

CONNECT CONVERT TC
SDI TO HDMI

#ATOMCTC-SH1

Embed & Overlay LTC timecode and Audio VU meters while converting SDI to HDMI. On screen monitor up to 8 Ch of SDI audio via VU meters. 9 TC and Audio meter positions around the screen (Dip switch selectable). Allows affordable HDMI monitors and TVs to display Timecode and Audio integrating into SDI workflows.

INPUT
SDI 3G, SD/HD-SDI, LTC
PROCESSING / PHYSICAL
Embed Timecode, Lockable HDMI
OUTPUT
HDMI, LTC

CONNECT CONVERT SCALE
ANALOG TO SDI/HDMI

#ATOMCC-NAS1

Connect Composite/S-Video, analogue DVI and component video sources to SDI and HDMI devices, with resolution and frame scaling from SD up to HD 1080p60 while simultaneously converting from VESA projector resolutions. A great solution to connect PCs and older, lower resolution products to 3G/HD/SD-SDI or HDMI system infrastructure and devices.

INPUT
Analog Video, Stereo Minijack
PROCESSING / PHYSICAL
Scale to HDp60, IP Conversion, Lockable HDMI
OUTPUT
HDMI, SDI 3G, SD/HD-SDI

CONNECT CONVERT SCALE
SDI/HDMI TO ANALOG

#ATOMCC-NSA1

Connect 3G/HD/SD-SDI and HDMI video sources to Composite/S-Video, Analogue DVI and Component devices, with resolution and frame scaling up to 1080p60 and between VESA standards. A great solution to connect SDI products to older projectors, TVs and monitors. Uniquely scale digital at the same time as multiple analog.

INPUT
HDMI, SDI 3G, SD/HD-SDIr
PROCESSING / PHYSICAL
Scale to HDp60, IP Conversion, Lockable HDMI
OUTPUT
Analog Video, Stereo Minijack

CONNECT CONVERT SCALE
SDI TO HDMI

#ATOMCSC-SH1

Mix and match formats and resolutions from and to any SD or HD device. Featuring full size 3G/HD/SD-SDI, lockable HDMI, lockable DC power, removable included mounting ears, rugged metallic housing and easy set-up for SDI to HDMI conversion of interlace to progressive signals and frame rate/resolution scaling form SD up to HD 1080p60.

INPUT
SDI 3G, SD/HD-SDI
PROCESSING / PHYSICAL
Scale to HDp60, IP Conversion, Lockable HDMI
OUTPUT
HDMI, SDI 3G, SD/HD-SDI

CONNECT CONVERT 4K
SDI TO HDMI with scale /overlay

#ATOMCCV-SH2

Up to 4Kp60 scaling and overlay embedding while converting SDI to HDMI. The Quadlink SDI terminals accept all 12/6/3/1.5G signal combinations and convert them to HDMI or loop out to 12G-SDI. Scale up or down and embed Timecode, Audio VU meters and WFM for display on any HDMI monitor, TV or broadcast infrastructure.

INPUT
SDI 12/6G (1 OR 2), SDI 3/1.5G (4 OR 2), SD/HD-SDI
PROCESSING / PHYSICAL
Scale to HDp60, Embed Timecode, Lockable HDMI
OUTPUT
HDMI Loop, SD/HD-SDI Loop

CONNECT CONVERT 4K
HDMI TO SDI with scale /overlay

#ATOMCCV-HS2

Up to 4Kp60 scale down and overlay embedding while converting HDMI 2.0 to 12G-SDI and looping out HDMI. Scale up or down and embed Timecode, Audio VU meters and WFM for display on any HDMI/SDI monitor, TV or broadcast infrastructure.

INPUT
HDMI, SDI 12/6G (1 OR 2)
PROCESSING / PHYSICAL
Scale to HDp60, Embed Timecode, Lockable HDMI
OUTPUT
4K SDI 12/6G Loop, SDI 3G Loop, SD/HD-SDI Loop

CONNECT CONVERT FIBER
SDI TO FIBER

#ATOMCCV-SF1

Converts SDI to Fiber for extremely long video runs exceeding the maximum length capable for SDI cable (200m) or a SDI repeater (400m). Simply convert from SDI to Fiber. Perfect for sports broadcasting and surveillance applications.

INPUT
SDI 3G SD/HD-SDI
PROCESSING / PHYSICAL
-
OUTPUT
Fiber

CONNECT CONVERT FIBER
FIBER TO SDI

#ATOMCCV-FS1

This converter receives a video signal via Fiber and converts it back to SDI. This is needed for extremely long video runs that exceed the distances capable by SDI cables (200m), or SDI with a repeater (400m), where you are converting from SDI to Fiber at the source and conversion from Fiber to SDI at the receiving end is required.

INPUT
Fiber
PROCESSING / PHYSICAL
-
OUTPUT
SDI 3G, SD/HD-SDI

CONNECT CONVERT
SDI TO HDMI

#ATOMCCV-SH1

Compact, SD & HD broadcast quality SDI to HDMI converter featuring full size 3G/HD/SD-SDI, lockable HDMI, lockable DC power, removable included mounting ears and a rugged metallic housing. Small, quick and affordable solution for converting SDI video sources to HDMI monitors, TVs and other devices.

INPUT
SDI 3G SD/HD-SDI
PROCESSING / PHYSICAL
Lockable HDMI
OUTPUT
HDMI

CONNECT CONVERT SCALE
HDMI TO SDI

#ATOMCSC-HS1

Seamlessly connect any HD device no matter what the connection or resolution. Featuring full size 3G/HD/SD-SDI and HDMI connectors with HDMI to SDI conversion, interlace to progressive conversion and frame rate/resolution scaling up to 1080p60.

INPUT
HDMI
PROCESSING / PHYSICAL
Scale to HDp60, IP Conversion, Lockable HDMI
OUTPUT
SDI 3G, SD/HD-SDI

CONNECT SYNC SCALE
SDI TO SDI

#ATOMCSY-SS1

SDI to SDI converter with up-down SD/HD conversion, frame rate conversion, frame synchronizer built-in and external synchronization connections. Adds genlocking type capability to non-genlocking products such as prosumer cameras and camcorders.

INPUT
SDI 3G, SD/HD-SDI, BNC (REF)
PROCESSING / PHYSICAL
Scale to HDp60, Sync, IP Conversion
OUTPUT
SDI 3G, SD/HD-SDI

CONNECT SYNC SCALE
HDMI TO SDI

#ATOMCSY-HS1

HDMI to SDI converter with up-down SD/HD conversion, frame rate conversion, frame synchronizer built-in and reference synchronization connection. Connect and synchronize HDMI video equipment with Broadcast and Pro AV SDI systems. Great to use with Switchers and Vision Mixers.

INPUT
HDMI, BNC (REF)
PROCESSING / PHYSICAL
Scale to HDp60, Sync, IP Conversion, Lockable HDMI
OUTPUT
SDI 3G, SD/HD-SDI

CONNECT SPLIT
SDI

#ATOMCS-PS1

A simple solution for splitting and distributing a 3G/HD/SD-SDI video source to multiple video devices such as monitors, switchers or scopes. Accepts and splits Sony FS Raw for downstream recording and monitoring simultaneously.

INPUT
SDI 3G, SD/HD-SDI
PROCESSING / PHYSICAL
-
OUTPUT
SDI 3G, SD/HD-SDI

CONNECT REPEAT
SDI

#ATOMCR-PS1

Overcome the cable length limitation of SDI with this handy SDI extender to take your 3G/HD/SD-SDI sources beyond distances of 200m using SDI coax cable. For lengths in excess of 400m use the Connect SDI Fiber series of product.

INPUT
SDI 3G, SD/HD-SDI
PROCESSING / PHYSICAL
-
OUTPUT
SDI 3G, SD/HD-SDI

Specifications correct at time of printing E&OE

AtomX

AtomX Tilt

AtomX is a range of add-ons to our core technology products that enhance their functionality.

▶ Mounting ▶ SSD Media ▶ Cables ▶ Power ▶ Protection

AtomX Cage 7"

Sunhood
Eliminate sun reflections for outdoor shooting
ATOMSUN003 – 5" MODELS
ATOMSUN006 – 7" MODELS
ATOM19SUN1 - 19" MODELS

Batteries
Works with all Atomos monitor-recorders

ATOMBAT001 2600 MAH 2 CELL
ATOMBAT003 5200 MAH 4 CELL
ATOMBAT004 7800 MAH 6 CELL

HDD/SSD Caddies x 5
For all recorders

ATOMCAD112

AC Power adapter
Replacement AC power for all Monitor-recorders

ATOMACP001 – BLADE SERIES

Fast Battery Charger
Fast single battery charger for Atomos batteries

ATOMFCGRS1

DC to D-Tap coiled cable
For all 7" recorders

ATOMDTP001

Hard Case
Hard carry case & replacements foams

ATOMCAS005 – 5" BLADE SERIES
ATOMCAS007 – 7" MODELS (YELLOW)

USB to serial cable
Calibration cable to connect with optional X-Rite calibration unit

ATOMCAB004

Docking Station
Dock SSD/HDD to Mac/PC

ATOMDCK003

XLR Breakout cable
Replacement breakout XLR cable for Shogun Series

ATOMCAB016 STEREO IN/OUT
ATOMCAB017 STEREO IN ONLY

Atomos Accessory Kit
HPRC case, Control cable, 5200mAh battery x 2, Fast charger & docking station, DC to D-Tap cable, Master Caddy x 4 Power Supply, HDR Sunhood.

Power Kit
Fast charger station 5200mAh battery x2

ATOMPWRKT1

## 3 Year Warranty FOR REGISTERED PRODUCTS

Registering your Atomos product is easy and rewarding. You'll be the first to know about new features and firmware and **your warranty will be tripled** from the standard 1 year to 3 years warranty. (extended warranty applies to Atomos product greater than $500 MSRP on products registered within 1 year of purchase)

Learn more: **www.atomos.com/registration**

ANGELBIRD

Master Caddy 4KRAW and 4KRAW ECO are custom designed SSDs for Atomos and utilize AngelBird's Stable Stream technology to meet the rigors of Raw and high frame rate recording. Incorporating the Master Caddy rail mounting system into a solid aluminum chassis. This provides additional cooling for sustained performance. These SSDs provide X-ray, Magnetic, ESD and overload protection with power smoothing.

AUTHORIZED ACCESSORY
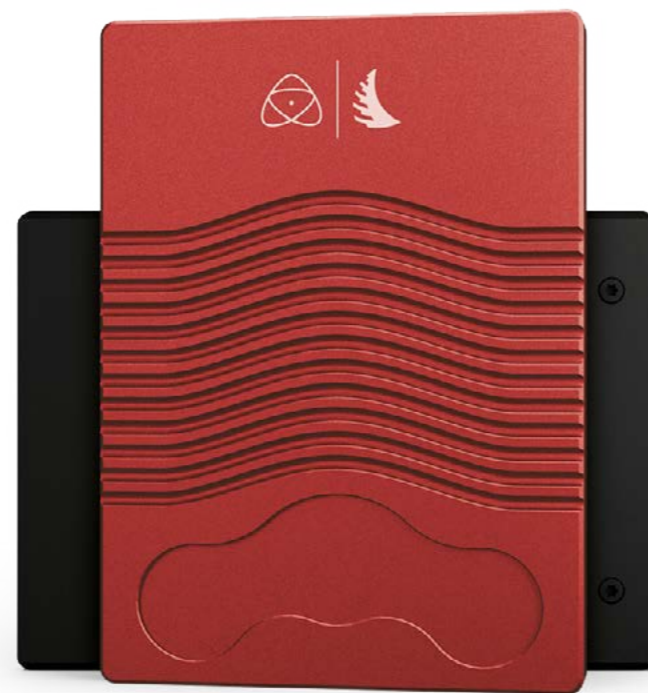
G-Technology™

G-Technology's ev Series G-SPEED Shuttle and G-SPEED Shuttle XL solutions for in-field or in-studio hassle free footage transfer & backup creation.

AUTHORIZED ACCESSORY

Angelbird 4KRAW/4KRAW ECO

- 500GB / 1TB / 2TB SSD
- Ready to use in Atomos recorders
- Inserts directly into Atomos USB dock
- Up to 560 MB/s

Atomos MASTER CADDY 4K SSD

- 256GB / 512GB / 1TB SSD
- Ready to use in Atomos recorders
- Inserts directly into evSeries Reader
- Atomos Master Caddy edition
- Sata 6Gbps

SUMO19

AtomX

Designed for speed
We analyzed the flaws with current cables to design our 4Kp60 range with upgraded EMI/RF shielding performance in the cable and a rugged die cast alloy connector to eliminate the hand soldering in PVC overmold designs and strengthen the bond between the cable & connector.
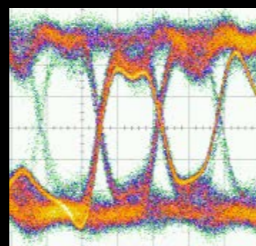
Two ranges to suit your camera
If you're shooting with HDMI 2.0 cameras the higher performance of the die cast **4Kp60** range delivers the reliability you need. We also have a more cost effective range for those shooting HD or **4Kp30**. Both ranges feature our flexible coiled cable to minimize clutter on the rig, available in 2 lengths and with Micro, Mini or Full connectors to match your camera.

Eye Pattern Test
HDMI cables need bandwidth for the high data rates of 4:2:2 10-bit 4Kp60 ProRes. On the test bench we see this with the eye pattern test - the smaller the "eye" the smaller the data pipeline with more chance of signal drop outs or deterioration.

Clean Atomos cables   Typical noisy cables

AUTHORIZED ACCESSORY
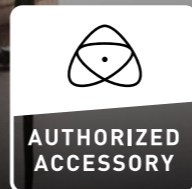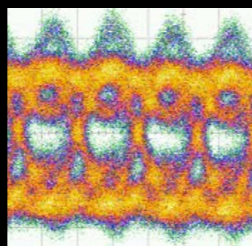
PRECISION COLOR CALIBRATION AND CONTROL

Every brand of monitor in the field and in the editing suite naturally drifts in color over time. Atomos have partnered with calibration leader X-Rite to open up professional monitor calibration to all filmmakers.

How to use the X-Rite i1Displa

➤ Purchase an X-Rite i1Display Pro & AtomX Serial to USB cable (ATOMCAB004)

➤ Download software for calibration at **atomos.com/support**

➤ Place X-Rite i1Display Pro on the Atomos LCD display, connect serial cable into Atomos serial port & USB into Mac/PC

➤ Start calibration process using the software

	SUMO19	SUMO19M	SHOGUN INFERNO	SHOGUN FLAME	NINJA INFERNO	NINJA FLAME
Weight and Dimensions						
Without batteries & media	5.45kg / 12.0lb	5.35kg / 11.8lb	709g / 25.0oz	650g / 22.9oz	630g / 22.2oz	620g / 21.9oz
With batteries & media	-	-	1153g / 40.7oz	1094g / 38.6oz	1094g / 38.6oz	1064g / 37.5oz
With stand	6.0kg / 13.2lb	5.9kg / 13.0lb	-	-	-	-
Dimensions (W x H x D mm)	506 x 310 x 63mm, 19.9" x 12.2" x 2.5" (without stand) 506 x 330 x 180mm, 19.9" x 13" x 7.1" (with stand)	506 x 310 x 63mm, 19.9" x 12.2" x 2.5" (without stand) 506 x 330 x 180mm, 19.9" x 13" x 7.1" (with stand)	214 x 127 x 45mm, 8.4 x 5 x 1.8"	214 x 127 x 45mm, 8.4 x 5 x 1.8"	214 x 127 x 45mm, 8.4 x 5 x 1.8"	214 x 127 x 45mm, 8.4 x 5 x 1.8"
Construction	Aluminium alloy chassis with built in armor protection	Aluminium alloy chassis with built in armor protection	High quality lightweight ABS Polycarbonate for durability & portability. Built-in armor protection	High quality lightweight ABS Polycarbonate for durability & portability. Built-in armor protection	High quality lightweight ABS Polycarbonate for durability & portability. Built-in armor protection	High quality lightweight ABS Polycarbonate for durability & portability. Built-in armor protection
Mounting points	1/4-20 screw; 4 x top, 6 x bottom, 4 x right side, 2 x left side, 4 x front for optional sun hood 3/8-16 screw; 2 x top, 3 x bottom, 2 x right, 1 x left side VESA mount (M4); 4 x rear	1/4-20 screw; 4 x top, 6 x bottom, 4 x right side, 2 x left side, 4 x front for optional sun hood 3/8-16 screw; 2 x top, 3 x bottom, 2 x right, 1 x left side VESA mount (M4); 4 x rear	1/4-20 UNC screw mount; 1 x top, 1 x bottom	1/4-20 UNC screw mount; 1 x top, 1 x bottom	1/4-20 UNC screw mount; 1 x top, 1 x bottom	1/4-20 UNC screw mount; 1 x top, 1 x bottom
Power						
Operating power	75W	75W	10 - 33W	10 - 24W	10 - 33W	10 - 24W
Compatible batteries	V-Lock / Anton Bauer via XLR terminal (optional mounting plates available)	V-Lock / Anton Bauer via XLR terminal (optional mounting plates available)	NP-F series and supporting accessories	NP-F series and supporting accessories	NP-F series and supporting accessories	NP-F series and supporting accessories
Input voltage (battery)	14.4V nominal	14.4V nominal	6.2V to 16.8V	6.2V to 16.8V	6.2V to 16.8V	6.2V to 16.8V
Battery time (based on 7.4V)	Depends on Watt Hours specification of battery used	Depends on Watt Hours specification of battery used	-	-	-	-
	-	-	5200mAh - up to 1.5hrs (monitor & record 4K 30p)	5200mAh - up to 1.5hrs (monitor & record 4K 30p)	5200mAh - up to 1.5hrs (monitor & record 4K 30p)	5200mAh - up to 1.5hrs (monitor & record 4K 30p)
	-	-	7800mAh - up to 2.2hrs (monitor & record 4K 30p)	7800mAh - up to 2.2hrs (monitor & record 4K 30p)	7800mAh - up to 2.2hrs (monitor & record 4K 30p)	7800mAh - up to 2.2hrs (monitor & record 4K 30p)
DC In	1 x XLR (12-16.8V)	1 x XLR (12-16.8V)	1 x DC in (6.2 - 16.8V)	1 x DC in (6.2 - 16.8V)	1 x DC in (6.2 - 16.8V)	1 x DC in (6.2 - 16.8V)
Continuous power * Patent pending	Primary-secondary battery system. Change batteries without losing power Loop batteries continuously.	Primary-secondary battery system. Change batteries without losing power Loop batteries continuously.	Primary-secondary battery system. Change batteries without losing power Loop batteries continuously.	Primary-secondary battery system. Change batteries without losing power Loop batteries continuously.	Primary-secondary battery system Change batteries without losing power Loop batteries continuously.	Primary-secondary battery system Change batteries without losing power Loop batteries continuously.
Touchscreen						
Size	19"	19"	7"	7"	7"	7"
Resolution / PPI	1920 x 1080 / 120PPI	1920 x 1080 / 120PPI	1920 x 1200 / 325PPI	1920 x 1200 / 325PPI	1920 x 1200 / 325PPI	1920 x 1200 / 325PPI
Aspect ratio	16:9 native	16:9 native	16:9 native	16:9 native	16:9 native	16:9 native
Color Gamut	REC709 HDTV	REC709 HDTV	REC709 HDTV	REC709 HDTV	REC709 HDTV	REC709 HDTV
Look up table (LUT) support	3D LUT (.cube format)	3D LUT (.cube format)	3D LUT (.cube format)	3D LUT (.cube le format)	3D LUT (.cube format)	3D LUT (.cube format)
Anamorphic de-squeeze	2x, 1.5x, 1.33x, Panasonic 8:3	2x, 1.5x, 1.33x, Panasonic 8:3	2x, 1.5x, 1.33x, Panasonic 8:3	2x, 1.5x, 1.33x, Panasonic 8:3	2x, 1.5x, 1.33x, Panasonic 8:3	2x, 1.5x, 1.33x, Panasonic 8:3
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional calibration unit
HDR						
AtomHDR	Yes	Yes	Yes	Yes	Yes	Yes
HDR Recording (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, PQ10k, HLG	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	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	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	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	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 Recording (Gamut)	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	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	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	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	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	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 (Gamma)	10+ stops dynamic range Output Gamma PQ10k, HLG	10+ stops dynamic range Output Gamma PQ10k, HLG	10+ stops dynamic range Output Gamma PQ10k, HLG	10+ stops dynamic range Output Gamma PQ10k, HLG	10+ stops dynamic range Output Gamma PQ10k, HLG	10+ stops dynamic range Output Gamma PQ10k, HLG
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	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	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	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	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	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)	10-bit (8+2 FRC)	10-bit (8+2 FRC)	10-bit (8+2 FRC)	10-bit (8+2 FRC)	10-bit (8+2 FRC)
Brightness	1200 nit (+/- 10%)	1200 nit (+/- 10%)	1500nit (+/- 10%)	1500nit (+/- 10%)	1500nit (+/- 10%)	1500nit (+/- 10%)
HDR input (PQ/HLG)	Yes	Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
HDR output (PQ/HLG)	Yes	Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Video Input (Loop Out)						
HDMI	1 x HDMI (2.0)	1 x HDMI (2.0)	1 x HDMI (2.0)	1 x HDMI (1.4b)	1 x HDMI (2.0)	1 x HDMI (1.4b)
SDI	Quad link 4 x 3G SDI or up to 12G single link SDI	2 x 4K-SDI 12G/6G or HD-SDI 3G/1.5G	Quad link 4 x 3G SDI* or up to 12G single link SDI	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE)	-	-
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)	Uncompressed true 10-bit or 8-bit 422 (camera dependent)
Video Output (Play Out)						
HDMI	1 x HDMI (2.0)	1 x HDMI (2.0)	1 x HDMI (2.0)	1 x HDMI (1.4b)	1 x HDMI (2.0)	1 x HDMI (1.4b)
SDI	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G	-	-
Signal	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)	Uncompressed true 10-bit or 8-bit 422 (playback file dependent)

	SUMO19	SUMO19M	SHOGUN INFERNO	SHOGUN FLAME	NINJA INFERNO	NINJA FLAME
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	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120, 2160p 24/25/30	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120, 2160p 24/25/30
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	720p 50/60, 1080i 50/60, 1080psF 24/25/30, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080psF 24/25/30, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080psF 24/25/30, 1080p 24/25/30/50/60/120, 2160p 24/25/30	-	-
Video Signal Conversion						
HDMI to SDI	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/100/120, 2160p 24/25/30/50/60	720p 50/60, 1080i 50/60, 1080p 24/25/30/50/60/120, 2160p 24/25/30	-	-
Supported Codecs & Frame Rates (Record & Playback)						
Raw to: (ProRes RAW, ProRes, CINEMA DNG — CDNG up to 30p only, Avid DNxHD) — Sony^^ FS700, FS-5, FS-5MkII, 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	N/A	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	4K DCI; 24/25/30p; 4K UHD; not supported in camera; 2K; 24/25/30/50/60/100/120p; 1080; not supported in camera	N/A	N/A
Raw to: — Canon C300MKII/C500	4K DCI; 24/25/30p; 4K UHD; 24/25/30p; 2K; not supported in camera; 1080; not supported in camera	N/A	4K DCI; 24/25/30p; 4K UHD; 24/25/30p; 2K; not supported in camera; 1080; not supported in camera	4K DCI; 24/25/30p; 4K UHD; 24/25/30p; 2K; not supported in camera; 1080; not supported in camera	N/A	N/A
Raw to: — 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	N/A	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	4K DCI; 24/25/30p; 4K UHD; 24/25/30p; 2K; not supported in camera; 1080; not supported in camera	N/A	N/A
Onboard Processing						
Pulldown removal	24/25/30psF → 24/25/30p (2:2 pulldown); 60i → 24p (3:2 pulldown)	N/A	24/25/30psF → 24/25/30p (2:2 pulldown); 60i → 24p (3:2 pulldown)	24/25/30psF → 24/25/30p (2:2 pulldown); 60i → 24p (3:2 pulldown)	24/25/30psF → 24/25/30p (2:2 pulldown); 60i → 24p (3:2 pulldown)	24/25/30psF → 24/25/30p (2:2 pulldown); 60i → 24p (3:2 pulldown)
4K UHD downscaling	Yes - Loop-out and playback (Not available in RAW)	Yes - Loop-out and playback (Not available in RAW)	Yes - Loop-out and playback (Not available in RAW)	Yes - Loop-out and playback (Not available in RAW)	Yes - Loop-out and playback	Yes - Loop-out and playback
Audio In/Out (48kHz PCM Audio)						
HDMI	2 or 8ch 24-bit, camera dependent	2 or 8ch 24-bit, camera dependent	2 or 8ch 24-bit, camera dependent	2 or 8ch 24-bit, camera dependent	2 or 8ch 24-bit, camera dependent	2 or 8ch 24-bit, camera dependent
SDI	12ch 48kHz 24-bit	12ch 48kHz 24-bit	12ch 48kHz 24-bit	12ch 48kHz 24-bit	-	-
Audio	2ch balanced XLR analog in/out (direct XLR connection); Dynamic range →90dB; Max signal level +24dBu; Max analog gain +52dB; 48V Phantom Power for Mic	Line in / Mic in / Headphone out 2ch 48kHz 24-bit	2ch balanced XLR analog in/out (Breakout XLR connection); Dynamic range →90dB; Max signal level +24dBu; Max analog gain +52dB; 48V Phantom Power for Mic	2ch balanced XLR analog in/out (Breakout XLR connection); Dynamic range →90dB; Max signal level +24dBu; Max analog gain +52dB; 48V Phantom Power for Mic	2ch balanced XLR analog in/out (Breakout XLR connection); Dynamic range →90dB; Max signal level +24dBu; Max analog gain +52dB; 48V Phantom Power for Mic	Line in / Mic in / Headphone out 2ch 48kHz 24-bit
Headphone out	3.5mm	3.5mm	3.5mm	3.5mm		
Built-in speakers	Yes	No	-	-		
Remote Start/Stop						
HDMI	Auto HDMI Trigger; Supported Protocols - Canon, Sony, Atomos Open Standard	N/A	Auto HDMI Trigger; Supported Protocols - Canon, Sony, Atomos Open Standard	Auto HDMI Trigger; Supported Protocols - Canon, Sony, Atomos Open Standard	Auto HDMI Trigger; Supported Protocols - Canon, Sony, Atomos Open Standard	Auto HDMI Trigger; Supported Protocols - Canon, Sony, Atomos Open Standard
SDI	SDI trigger camera selectable	N/A	SDI trigger camera selectable	SDI trigger camera selectable	-	-
Other	LANC control - Slave	N/A	LANC control - Slave	LANC control - Slave	LANC control - Slave	LANC control - Slave
Playback						
Playlist	Yes	No	Yes	Yes	Yes	Yes
Genlock / LTC	Yes	No / No	Yes	Yes	N/A	N/A
CDNG (recorded content)	No support	No	No support	No support	N/A	N/A
ProRes (recorded content)	All recorded files can playback. Playback in slow motion →= 100fps	No	All recorded files can playback. Playback in slow motion →= 100fps	All recorded files can playback. Playback in slow motion →= 100fps	All recorded files can playback. Playback in slow motion →= 100fps	All recorded files can playback. Playback in slow motion →= 100fps
DNxHR / DNxHD (recorded content)	All recorded files can playback. Playback in slow motion →= 100fps	No	All recorded files can playback. Playback in slow motion →= 100fps	All recorded files can playback at native rate except 4K DCI which plays back at 24p only. Playback in slow motion →= 100fps	All recorded files can playback. Playback in slow motion →= 100fps	All recorded files can playback. Playback in slow motion →= 100fps
Recording						
Pre-roll record	Yes (HD 8s, 4K 2s)	No	No	Yes (HD 8s, 4K 2s)	Yes (HD 8s, 4K 2s)	Yes (HD 8s, 4K 2s)
Custom timelapse	Yes	No	No	Yes	Yes	Yes
Meta data tagging	Yes (10 tags available)	No	No	Yes (10 tags available)	Yes (10 tags available)	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	2.5" SSD/HDD. Visit atomos.com/drives for list of tested and approved drives	2.5" SSD/HDD. Visit atomos.com/drives for list of tested and approved drives	2.5" SSD/HDD compatibility depends on recording format, resolution and frame rate. Visit atomos.com/drives for list of tested and approved drives	2.5" SSD/HDD compatibility depends on recording format, resolution and frame rate. Visit atomos.com/drives for list of tested and approved drives	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 II (included) 75mm x 105mm x 12mm	Master Caddy II (included) 75mm x 105mm x 12mm	Master Caddy II (included) 75mm x 105mm x 12mm	Master Caddy II (included) 75mm x 105mm x 12mm	Master Caddy II (included) 75mm x 105mm x 12mm
Master caddy dock	2.5" SATA to USB 2.0/3.0	2.5" SATA to USB 2.0/3.0	2.5" SATA to USB 2.0/3.0	2.5" SATA to USB 2.0/3.0	2.5" SATA to USB 2.0/3.0	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	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5 / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5 / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5 / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	Supported Applications FCPX/FCP7+ / Media Composer 5.0+ / Premiere 5.5 / EDIUS 6.0+ / Vegas Pro 10+ / Lightworks / Autodesk Smoke 2015	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	No	No	FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools	FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools	FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools
What's in the Box						
Accessories included	Sumo19 unit, 1x Master Caddy II, 1x BattWing mounting bracket with 4x screws, 2x Desktop Feet with 4x 1/4" Mounting screws, AC power supply	SUMO19M unit, 1x Master Caddy II, 1x BattWing mounting bracket with 4x screws, 2x Desktop Feet with 4x 1/4" Mounting screws, AC power supply	Shogun Inferno unit, Master Caddy II x 1, 12V-3A AC power supply, XLR breakout cable	Shogun Flame unit, Master Caddy II x 1, 12V-3A AC power supply, XLR breakout cable	Ninja Inferno unit, Master Caddy II x 1, 12V-3A AC power supply	Ninja Flame unit, Master Caddy II x 1, 12V-3A AC power supply
Optional extras	Sunhood, VESA battery adapter plate, Atomos HDMI cable, X-Rite i1DisplayPro calibration	Sunhood, VESA battery adapter plate, Atomos HDMI cable, X-Rite i1DisplayPro calibration	Accessory Kit: 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. Power Kit: 2 x battery, 1 x charger, 1 x power supply. Other: Atomos HDMI cable, X-Rite i1DisplayPro calibration	Accessory Kit: 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. Power Kit: 2 x battery, 1 x charger, 1 x power supply. Other: Atomos HDMI cable, X-Rite i1DisplayPro calibration	Accessory Kit: 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. Power Kit: 2 x battery, 1 x charger, 1 x power supply. Other: Atomos HDMI cable, X-Rite i1DisplayPro calibration	Accessory Kit: 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. Power Kit: 2 x battery, 1 x charger, 1 x power supply. Other: Atomos HDMI cable, X-Rite i1DisplayPro calibration
Warranty	1 year. Extended to 3 years on product registration	1 year. Extended to 3 years on product registration	1 year. Extended to 3 years on product registration	1 year. Extended to 3 years on product registration	1 year. Extended to 3 years on product registration	1 year. Extended to 3 years on product registration

Weight and Dimensions

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 UNCscrew mount; 1x top, 1 x 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 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 / PPI	1920 x 1080 / 427ppi
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, CLOG3, 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%)
HDR input (PQ/HLG)	Yes
HDR output (PQ/HLG)	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 96 KHz
Power	5V-16.6V

Codec

	Brand / Model / Codec	Resolution / Frame rate
Video to ProRes / DNxHR (DNx utilizes a .MOV wrapper)	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^ 1080; 50/60i, 720p; 50/60p

Onboard Processing

Pulldown removal	24/25/30pSF → 24/25/30p (2:2 pulldown) 60i → 24p (3:2 pulldown)
4K UHD downscaling	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	Yes
Genlock / LTC	- / -
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

What's in the Box

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
Warranty	1 year. Extended to 3 years on product registration

Weight & dimensions

Weight	5.0kg / 11lb
Rack height	3Ru
Rack mounting	Removable rack ears
Dimensions (W x H x D mm)	447 x 152 x 251mm, 17.6 x 6.0 x 9.9" (without rack ears) 490 x 152 x 251mm, 19.3 x 6.0 x 9.9" (with rack ears)
Construction	Steel construction for durability
Cooling	Actively controlled fan with heat sinks

Power

Operating power (including SSD)	20 - 60W
Redundant PSU	Yes
Compatible batteries	No
DC Out	No

Dual Touchscreens

Size	7.1" x 2
Resolution / PPI	1920 x 1200 / 320PPI
Aspect ratio	16:9 native
Color Gamut	REC709 HDTV
Look up table (LUT) support	3D LUT (.cube format)
Technology	SuperAtom IPS panel (capacitive touch), calibration to Rec.709 with optional X-Rite unit
Video analysis tools	Luma waveform, RGB parade, Vectorscope, Vectorscope zoom

HDR

AtomHDR	Yes
Supported Log formats	PQ/HLG - Rec.2100 Sony - SLog/SLog2/SLog3 Canon - CLog/CLog 2/Clog 3 Arri - Log C, Red - 3G10/LogFilm Panasonic - VLog/VLog L JVC - JLog, Fuji - FLog
Supported Gamuts	Sony SGamut / SGamut3 / SGamut3.cine, Canon Cinema / BT2020 / DCI P3 / DCI P3+, Panasonic V Gamut, Arri Alexa Wide Gamut
Bit depth	8-bit
Brightness	400nit
HDR input (PQ/HLG)	Yes / Yes
HDR output (PQ/HLG)	Yes / Yes

Video Input (Loop Out)

HDMI	1 x HDMI (1.4b) per channel
SDI	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G (SMPTE) per channel
Signal	Uncompressed true 10-bit or 8-bit 422 (camera dependent)

Video Output (Play Out)

HDMI	1 x HDMI (1.4b) per channel
SDI	1x 4K-SDI 12G/6G or HD-SDI 3G/1.5G per channel

Supported Loop Out Formats

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

Video Signal Conversion

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

Supported Codecs & Frame Rates (Record & Playback)

Raw Record

Sony FS5 & FS5 II, FS7 & FS7 II CDNG^^	4K DCI; 24/25/30p 4K UHD; not supported in camera 2K; 24/25/30/50*/60*/100*/120p* 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 CDNG	4K DCI; 24/25/30p 4K UHD; 24/25/30p 2K; not supported in camera. 1080; not supported in camera

Raw to ProRes / DNxHR

|	
Sony FS5/FS7/FS700^^	4K DCI; 24/25/30p
ProRes (HQ, 422, LT)	4K UHD; Camera dependent
DNxHR (HQX, HQ, SQ, LB)	2K; 24/25/30 - 1080; Camera dependent
Canon C300MKII/C500	4K DCI; 24/25/30p
ProRes (HQ, 422, LT)	4K UHD; 24/25/30p
DNxHD (HQX, HQ, SQ, LB)	2K/HD; 24/25/30p; Camera dependent

Video to ProRes / DNxHR

|	
Apple ProRes - HQ, 422, LT AVID DNxHR/DNxHD - HQX. HQ, SQ, LB	4K/2K DCI; Camera dependent 4K UHD; 24/25/30p 1080p; 24/25/30/50/60/100^/120^ 1080i; 50/60i 720p; 50/60p

Onboard Processing

HDMI	24/25/30pSF → 24/25/30p (2:2 pulldown) 60i → 24p (3:2 pulldown)
SDI	Yes - Always on
Analogue audio	On HDMI/SDI loop out (Rec & Playout)
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
Analogue audio	2 x XLR in & 2 x XLR out on rear per record channel. Mic or line level with phantom 48V
Processing	Gain control on line in & headphone output
Maximum audio quality	24-bit, 48kHz
Audio delay	Delay setting +1 to 99 frames

Remote Control

HDMI	Auto HDMI Trigger Supported Protocols - Canon, Sony, Atomos Open Standard
SDI	SDI trigger camera selectable
RS422	RS422 machine control
AMP	via Ethernet RJ45 10/100
Serial	Calibration (front)

Timecode

HDMI	Embedded timecode from camera or video device
SDI	Embedded timecode from camera or video device
LTC In	Yes (LTC loop back)
GenLock In	Yes (GenLock loop back)

Playback

Playlist	Yes (run down or reverse order) for selected, favorite or all clips
Playback options	Loop in & out markers
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 at native rate except 4K DCI which plays back at 24p only. Playback in slow motion →* 100fps

Recording

Dual channel	Record 4K master with HD proxies. Record both ProRes & DNxHR versions, independent dual channel record.
Continuous dual disk record	Single channel 4K / HD recording automatically switches between drive when at capacity
Pre-roll record	Yes (HD 8s, 4K 2s)
Custom timelapse	Yes (Key frameable up to 10 video and single frame Intervals, can be triggered from internal clock).
Meta data edit tagging	Yes (10 tags available)
Supported media (Approved List at atomos.com/drives)	Select SSD: CDNG (4Kp30) Select SSD: Video (4Kp30, HDp120) Select SSD/HDD: Video (1080 30p, 720 60p)
Dual drive slots	2 (1 per record channel)
Drive connection types	SATA III
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/DaVinci Resolve
XML support	FCPX XML native, FCPX/Adobe limited supported with 3rd party conversion tools

What's in the Box

Accessories included	Shogun Studio unit, 2x Rack ears with screws, 5x Master II Caddies, 4x Rubber feet, 2x Large rubber feet, 2x IEC power cable, 1x Screen cleaning cloth
Optional extras	Master Caddy II x 5, X-Rite calibration, Atomos HDMI cables
Warranty	1 year. Extended to 3 years on product registration

Specifications correct at time of printing E&OE.

24/30/60 frame rates also include 23.98/29.97/59.94 frame rates for all resolutions

* Available in a future firmware update.

** No HDMI Spec for 2K DCI

^ From supported HDMI sources such as gaming consoles & graphics cards

^^ Optional unit (XDCA-FS7) or paid update needed for Raw output

ProRes RAW

Performance of **ProRes**. Flexibility of **RAW**.

/atomosglobal @atomos_news @Atomos_News /AtomosVideo /atomosvideo
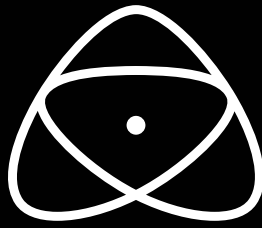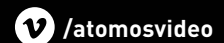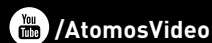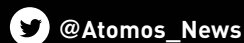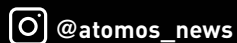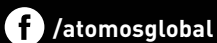
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