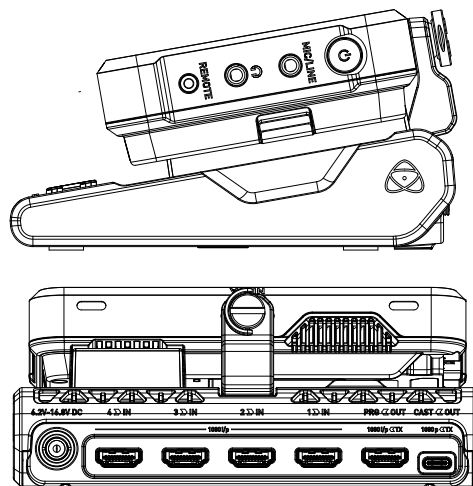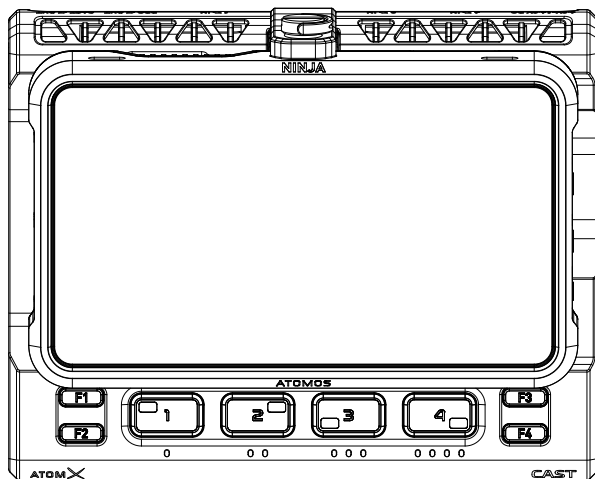# NINJA CAST

Ninja V 5" Monitor-Recorder / AtomX CAST Bundle

Key Features

- Standalone 4 x 1080p HDMI input switcher with integrated 1000nit daylight viewable screen and a USB-C streaming output.
- Multiview monitoring Touch Screen and Physical buttons with LED status indicators
- Simple plug & play streaming to your favourite software such as Zoom, MS Teams, Skype, OBS and more
- Simultaneously Record, Stream and output to local displays
- Broadcast quality recording of Program stream in ProRes, DNx, or optional H.265
- Picture in Picture effect for any combination of inputs
- Overlay custom graphics, logos, lower thirds and content branding
- Separate HDMI outputs - Dedicated Program out and Multifunction output on Ninja V for Multiview, Preview or Program
- Audio Input and switching options with support for embedded, analogue inputs and Audio follows Video
- Use the essential monitoring tools of Ninja V to check exposure, focus and more on your inputs
- Award winning Ninja V can be paired with cameras for a fully functional 1000nits 5" 10-bit HDR monitor-recorder without the AtomX CAST

NINJA CAST

The combination of the Ninja V and AtomX CAST becomes the Ninja CAST. Ninja CAST is for video creators or anyone who wants to make broadcast quality multi-camera programs simply and quickly from anywhere. Add professional broadcast features to your online meetings, presentations, remote learning/training, virtual conferences, demonstrations or engaging corporate videos. Best of all, Ninja CAST is simple and easy to use — you don't need to be a video professional to achieve great looking results.

Broadcast features for everyone

Ninja CAST is a fully functional stand-alone switcher, multiview monitor and broadcast quality recorder that does not require a computer to function. With a high quality 5" HDR touchscreen monitor, 4 x HDMI inputs and physical buttons, the Ninja CAST is the ultimate portable live

switching & streaming solution. Adding Ninja CAST to your production arsenal also gives you the multi-award winning Ninja V – the ultimate 5" HDR monitor-recorder. As an on-camera monitor, the Ninja V records up to 5.9Kp60 ProRes RAW, provides accurate HDR and LOG>PQ/HLG monitoring and more.

Simple Switching & Streaming

The flexible control options of Ninja CAST allow you to use either the touchscreen or the physical buttons to 'switch' between sources to select the output for your WebCAST or BroadCAST. The illuminated buttons for each input and colored LED lighting for Program and Preview status further simplifies operation and allows you to easily switch & livestream in dimly lit environments.

Connect any progressive full HD video source

Connect mirrorless or DSLR cameras, video cameras, computers, consoles or even pre-recorded content via HDMI. There's no need to worry about synchronization, as you can mix and match frame rates up to 60p.
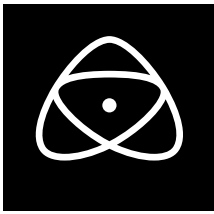
Integrates Seamlessly

The Ninja CAST connects via USB-C to your computer and appears as a high-quality webcam. Plug and play allows it to work immediately with all your video applications like Zoom, Teams and Skype without the need to install drivers on the computer first. Add up to 4 camera inputs to bring your presentation or meeting to the next level.

Integrated Monitor

Having an integrated monitor allows you to see the incoming signals on a multiview display, without having to connect an additional monitor. Utilize the high quality 5" touchscreen in multiview mode for setup, and then switch to the single input view and use the same monitor-assist tools available from your Ninja to nail exposure and focus on individual inputs.

Enhance your brand, your video and your reach

Sophisticated features like logos, mast head graphics and lower third titles will make your productions look incredible, and the dedicated controls for these functions make them easy to use. Add custom graphics for branding your content, with support for transparency, sponsors' logos and other on-screen information to your production and configure the layout on the Ninja touchscreen.

NINJA CAST

Ninja V 5" Monitor-Recorder / AtomX CAST Bundle

Picture-in-Picture

One of the benefits of using Ninja CAST with a multi-camera setup is that you can use the Picture-in-Picture function to display two inputs at the same time. Any of the four HDMI inputs can be used for a Picture-in-Picture effect over the program output with controls for size and location of the overlayed image. You can display a close-up of a product on your desk and display your face as a Picture-in-Picture at the same time whilst you talk about the product.

Configurable and adaptable

As Ninja CAST is so compact and versatile, users can easily work alone or with a team to enhance their productions. Solo operators can transport the Ninja CAST in a small backpack and then use it discreetly with compact mirrorless cameras for productions of any size. For larger setups, the Ninja V HDMI output can be used as a secondary output that can be set up as a duplicate program out, preview monitoring for the crew or talent, or to connect to a larger multiview display.

Ready for advanced workflows

Ninja CAST is a fully functional stand-alone switcher, but you can also use it with a computer for more advanced video work. In this mode, Ninja CAST does the heavy lifting, taking the load off your computer and reducing the likelihood of software crashes with dedicated external video processing. Simply add Ninja CAST as a media source in OBS, X-Split and VMix to make use of the software application's additional graphics and scene configuration while using the Ninja CAST for video input switching.

Stand out from the crowd

Using Ninja CAST with a camera that has a clean HDMI output and your choice of lens, allows you to bring professional production values to any online video stream or meeting. Bring a cinematic look that is dramatically different from the image and impact of your message, putting yourself ahead of the crowd relying on an average webcam. Utilize the monitor-assist tools in the Ninja V to check your lighting, camera angles and sound, and you will soon be making professional quality video productions. Many older HD camcorder or photo cameras can output great looking video via their HDMI port, bringing new life to equipment you may already own and let multi-camera setups enhance your productions.

Recording and Codec options

With professional 10-bit 4:2:2 inputs, you get broadcast quality switching and the ability to record in broadcast quality codecs like Apple ProRes or Avid DNx.

Built in versatility

Ninja CAST can deliver to a worldwide audience by sending a stream to your favorite streaming host, output a broadcast quality video signal to a local display, digital signage or video wall, and record with high quality edit-ready video codecs.

NINJA V - 5" Monitor -Recorder

Using the Ninja V as a stand alone monitor-recorder will provide you with an incredibly capable production tool that can record Apple ProRes RAW up to 6Kp30 from more than 30 compatible cameras, and up to 4Kp60 10-bit HDR video from other cameras, gaming consoles or HDMI devices.

You can choose to record in Apple ProRes RAW, Apple ProRes or Avid DNx and can add the H.265 (HEVC) codec via paid activation. Flexible media options mean that you can record to a 2.5" SSD in the Master caddy, an SSDmini and even CFast II via the AtomX CF adaptor.

The 1000nit HDR display has an incredible array of monitor assist tools like focus peaking, zoom, vectorscopes & false color built in to help you expose and focus your shots when filming, as well as support for Log inputs and 3D LUTs. Ninja V also offers traditional frame guides plus guides for social media content, a nine-grid overlay and an anamorphic de-squeeze option.

You can also add optional AtomX Expansion Modules to the Ninja V to expand connectivity options and functionality. The AtomX SDI module provides you with the ability to connect to SDI cameras, output SDI to other devices, cross convert signals between SDI and HDMI and record RAW over SDI. The AtomX SYNC module brings wireless timecode, sync and control technology to the Ninja V.

Price

US$949 ex. tax | €949 ex. tax

SKU: ATOMNJACS1
UPC: 814164022613

NINJA CAST - Technical specifications

Physical Specifications	
Weight	845g / 1.86lbs
Dimensions	129 mm x 70 mm x 160 mm
Mount Points	Anti rotational 1/4" 20 / 3/8 on base of unit

Construction	
AtomX CAST Body	ABS plastic with locking arm for Ninja V
Ninja V Body	Aluminium alloy chassis with ABS Polycarbonate back plate
Cooling	Active
Tally light	Record tally Via Ninja V, Program and Preview illumination on CAST buttons
Control Button	4 x Switching, 4 x Function
Expansion module (AtomX CAST)	To connect to Ninja V (no module stacking or pass through)
AtomXpansion port (Ninja V)	Supports for for all AtomX mondules

Power	
Input Voltage	6.2V to 16.8V
DC in connector	Locking DC connector from Ninja V DC power supply
Battery	Via optional Atomos DC to D-Tap cable

Display - Via Ninja V	
Touchscreen	SuperAtom IPS panel (capacitive touch)
Size	5.2"
Resolution	1920 x 1080
Brightness	1000nits
Aspect Ratio	16:9
Color Gamut	Rec.709

Video Input	
HDMI (Ninja V Stand alone use)	1 x HDMI 2.0 up to 4kp60
HDMI (AtomX CAST)	4 x HDMI 1.4b up to 1080p60
Bit Depth	10-bit
Video Chroma Subsampling	4 2 2

Video Output	
Via CAST	HDMI 1.4b up to 1080p60 - Program ONLY
Via Ninja V	Multi function out - Program, Preview or Multiview
Multiview	Yes, via Ninja V
Video Chroma Subsampling	4 2 2
Bit Depth	10-bit

Web Streaming	
USB UVC	USB-C up to 1080p30

Audio In/Out	
Audio Quality	24/48kHz
Audio Codec	PCM
HDMI	2ch 24-bit, input dependent per input
Analogue Audio in	3.5mm via Ninja V
Headphone out	3.5mm via Ninja V

Timecode / Sync	
Embedded	HDMI

Resolution & Frame Rates	?
FHD 1920 x 1080 Progressive	23.98/24/25/29.9/30/50/59.94/60
FHD 1920 x 1080 PsF	No
FHD 1920 x 1080 Interlaced	50/59.94/60
1280 x 720p	No
SD PAL / NTSC	No

Program Recording CODEC via Ninja V	
Apple ProRes	LT, 422, 422HQ
Avid DNxHD	DNxHD 220x,220,145,36

Playback via Ninja V	
Apple ProRes	Yes, with Linear PCM audio
Avid DNx	Yes, with Linear PCM audio

Recording Functions	
Switched Program Record	Clean or CAST program record to Ninja V

Multi Input / Switching	
Multiple HDMI input	Up to 4 x HDMI up to 1080p60
Multiview Display	Quad input display on Ninja V Display
Multiview Ouput	Via Ninja V HDMI out - Set to Program, Preview or Multiview
Picture in Picture (PIP)	Any input over Any input, 4 positions in small or large size PIP
Graphic overlays	Select layout for Stored Graphics in Ninja V and save configured scene presets
Media pool storage	Upload and Store Graphics in Ninja V
Input Transitions	Fade from/to Black or White
Input Processing	Interlaced to Progressive
Transitions	Fade in / out and Dip to - White / Black

Supported Media	
Master Caddy II	Yes
SSDmini	Yes. The included AtomX SSD mini handle adaptor is recommended
File System	ExFat

Onboard Signal Processing	
Pulldown removal	Interlaced to Progressive

What's in the Box?	
Accessories included	Ninja V, AtomX CAST, International Power supply, USB-C cable, SSDmini Handle Adaptor, MasterCaddy II, Travel case & sleeve
Optional extras	ATOMDTPCB2 - D-Tap to DC cable, ATOMDCK004 - USB-C 3.1 Docking Station, ATOMDCK003 USB-A 3.0 Docking Station

Compatibility	
Compatible with	Included Ninja V

Warranty	
Standard	1 year. Extended to 3 years on product registration

Please note: Specifications are subject to change without notice.
All information correct at time of publishing.