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Overview Tech Specs Compatible With Support WHERE TO BUY	
MSRP	
USD	\$949
EUR	€949
Physical Specifications	
Dimensions (W x H x D mm)	129 mm x 70 mm x 160 mm
Weight	845g / 1.86lbs
Mount points	Anti rotational 1/4" 20 / 3/8 on base of unit
Environmental	
Ambient operating temperature	Up to 40° C
Construction and Control	
Body	AtomX CAST: ABS plastic with locking arm. Ninja V: 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 Buttons	4 x Switching, 4 x Function
Multi-function button	Power / lock Screen
AtomXpansion slot	Yes, on AtomX CAST to connect to Ninja V (no module stacking or pass through)
Master control unit (MCU)	No
Power	
Input voltage	6.2V to 16.8V
Compatible batteries	D-tap batteries via optional Atomos DC to D-Tap cable
Continuous power	Via DC connector
DC in connector	Locking DC connector from Ninja V DC power supply
Dtap	Via optional Atomos DC to D-Tap cable
Display	
Touchscreen	NINJA V – SuperAtom IPS panel (capacitive touch)

Size Resolution 5.2" 1920 x 1080		Q ≡	
Overview Tech Specs Compatible With Support WHERE TO BUY			
Bit depth		10-bit (8+2 FRC)	
Backlight Type		Edge lit	
Brightness (cdm2 / nits)		1000	
Aspect ratio		16:9	
De-interlace mode		Interlaced to Progressive	
Color Gamut		Rec.709	
Calibration support		Atomos Calibrator with Calibrite ColorChecker Display Pro / ColorChecker Display Plus	
Color Pipeline			
Gamma		NINJA V – 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, FujiFilmFlog, PQ (HDR10), HLG, Nikon N-Log, Olympus OM Log, Lecia L Log	
Gamut		NINJA V – BT2020, DCI P3, DCI p3 65, Sony SGamut / SGamut3 / SGamut3.cine / Canon Cinema / DCI P3 / DCI P3+ / BT2020, Panasonic V Gamut, Arri Alexa Wide Gamut, Rec709, JVC LS300, Red DragonColor / DragonColor2 / RedColor2 /RedColor3 / RedColor4 / RedWideGamut	
3D LUT Display		NINJA V – .Cube Format. CAST – Not currently available during CAST operation	
3D LUT Output		NINJA V – Loop Out. CAST – Not currently available during CAST operation	
3DLUT 50/50		NINJA V – Yes. CAST – Not currently available during CAST operation	
Monitoring Modes		NINJA V – Native / HLG / PQ / 3D LUT	
HDR output Conversion		NINJA V – Log / HDR to HLG / PQ / Dolby Vision	
Video Input			
HDMI		1 x HDMI 2.0 up to 4kp60 (Ninja V Stand alone use)	
HDMI RAW		Apples ProRes RAW up to 6K (Ninja V Stand alone use)	
SDI		Optional via AtomX SDI module (Ninja V Stand alone use)	
SDI RAW		Optional with AtomX SDI + SDI RAW activation (Ninja V Stand alone use)	
Bit Depth		10-bit	
Video Chroma Subsampling		4 2 2	
Metadata			
HDMI		RAW – white balance, Exposure index, Shutter speed/angle, Iris F stop, ISO, Gamma, gamut (Ninja V Stand alone use)	
SDI		File name from Arri, RED (Ninja V Stand alone use)	
Video Output			

 CAST – HDMI 1.4b up to 1080p60 – Program ONLY. NINJA V – Multi function out – Program, Preview or Multiview SDI loop out Optional Via AtomX SDI module (Ninja V Standalone use only)	
Overview	Tech Specs
Compatible With	Support
WHERE TO BUY	
SDI loop out	Optional Via AtomX SDI module (Ninja V Standalone use only)
Multiview	Yes, via Ninja V
Video Chroma Subsampling	4 2 2
Bit Depth	10-bit
Web Streaming	
USB UVC	USB-C up to 1080p30
Video Signal Conversion	
HDMI to SDI	Optional Via AtomX SDI module (Ninja V Stand alone use)
SDI to HDMI	Optional Via AtomX SDI module (Ninja V Stand alone use)
Audio In/Out	
Audio Quality	24/48kHz
Audio Codec	PCM
HDMI	2ch 24-bit, input dependent per input
SDI	12ch 24Bit, input dependent (Ninja V Standalone use only)
Analogue Audio in	3.5mm via Ninja V
Headphone out	3.5mm via Ninja V
Timecode / Sync	
Embedded	HDMI
LTC	Via 3.5mm audio Jack input – requires post processing (Ninja V Standalone use only)
Wireless SYNC	Via Optional AtomX SYNC Module (Ninja V Standalone use only)
Resolution and Frame Rates (Record, Monitor & Playback)	
4k DCI	23.98/24/25/29.9/30/50/59.94/60p (Ninja V Standalone use only)
4k UHD	23.98/24/25/29.9/30/50/59.94/60p (Ninja V Standalone use only)
2K DCI 2046 x 1080	Optional via AtomX SDI module (Ninja V Standalone use only)
Anamorphic	3.5k: RAW up to 60p from supported cameras (Ninja V Standalone use only)
FHD 1920 x 1080 Progressive	23.98/24/25/29.9/30/50/59.94/60

Full 1080p 60FPS

No

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Overview

Tech Specs

Compatible With

Support

WHERE TO BUY

Interlaced	No
1280 x 720p	No
SD PAL / NTSC	No
Recording CODEC	
Apple ProRes	LT, 422, 422HQ
Avid DNxHD	DNxHD 220x,220,145,36
Playback	
Apple ProRes	Yes, with Linear PCM audio
Avid DNx	Yes, with Linear PCM audio
Recording functions	
Pre-roll record	Yes (HD 8s, 4K 2s) – Not available in RAW (Ninja V Standalone use only)
Switched Program Record	Clean or CAST program record to Ninja V
Timelapse	Yes (Ninja V Standalone use only)
Multi Input / Switching	
SDI A/B toggle	via optional AtomX SDI module (Ninja V Standalone use only)
Multiple HDMI input	Up to 4 x HDMI up to 1080p60 (CAST)
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 in / out and Dip to – White / Black
Supported media	
SSDmini	Yes. The included AtomX SSD mini handle adaptor is recommended
File System	ExFat

On screen tools Waveform Yes, 3 size / position	
OverviewTech SpecsCompatible WithSupportWHERE TO BUY	
Vector scope	Yes, 2 size / position
2 x Zoom	Yes
Focus peaking	Color selected / threshold setting / color / mono / edges only
False colour	Yes, with scale
Zebra	Yes, adjustable
Isolate color channel	Blue Only
Cine Frame Guides	2.4:1, 2.35:1, 1.9:1, 1.85:1, 4:3
Social Frame guides	9:16, 1:1, 1.91:1, 4:5
Safe areas	Action and Graphic
Grid markers	9 grid
Anamorphic desqueeze	1.25x 1.33x , 1.5x ,1.8x ,2x
Display Flip	Vertical Only
Onboard Signal Processing	
Pulldown Removal	Interlaced to Progressive
Remote control	
HDMI	Auto HDMI Trigger, Supported Protocols – Canon, Sony, Atomos Open Standard (Ninja V Standalone use only)
SDI	SDI trigger camera selectable (Ninja V Standalone use only)
USB	Via cast software over USB
External Device Control	
Serial 2.5mm Jack	Not supported
Supported Applications	
Video Codecs	Zoom, Microsoft Teams, Skype, YouTube, Facebook Live, OBS, Twitch
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

Target use / User	
Mirrorless Cameras	Professional multicam productions, live streamed events with a single operator or small crew, houses of worship, corporate presentations, online meetings, remote learning, gamers, live music performance, vloggers,