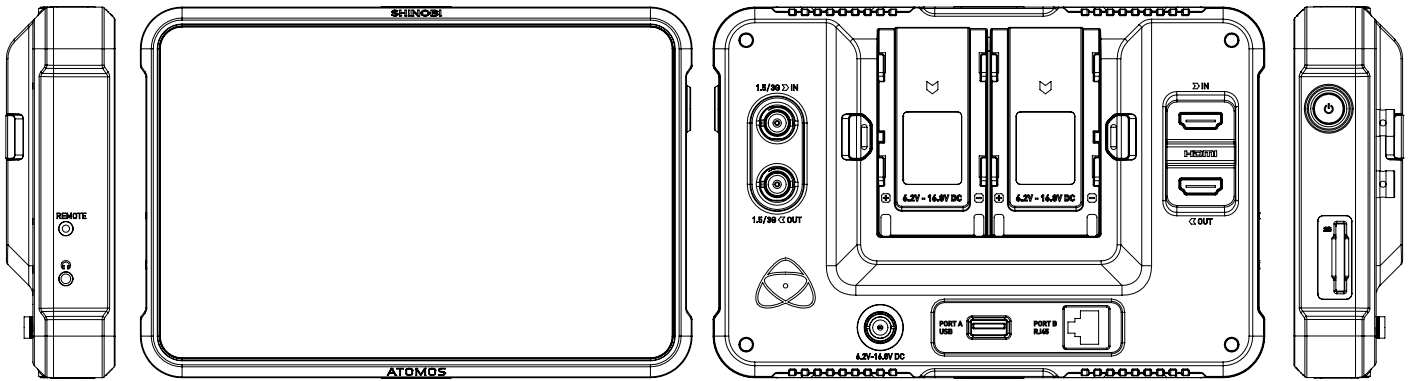# SHINOBI 7

4K HDMI/SDI HDR Photo & Video Monitor

Key Features

- 2200Nits HDR / Daylight viewable display
- HDMI 2.0 support for 4Kp60, 3G-SDI support up to 2Kp60
- Bi-directional HDMI ← → SDI signal cross conversion
- Dual NPF battery slots for continuous power
- 3D LUT support with Preview and Loop out
- AtomHDR provides Log to HDR conversion for display and loop out
- Touch screen camera control via optional cable for compatible cameras of Iris, WB, Shutter speed and ND
- Exposure tools - histogram, waveform, false color & zebras
- Vertical and Horizontal screen mode - enable the selfie mode for easy piece to camera monitoring
- Pull focus with confidence using Zoom 4:1, 2:1, 1:1
- Headphone monitoring of camera audio

BIG, Bright and Beautiful

Shinobi 7 combines a large 7" HDR screen with a calibrated peak brightness of 2200Nits and the lightweight Monitor-only functions of the original Shinobi. The Shinobi 7 can be used in the brightest of environments to monitor signals up to 4Kp60 via HDMI. An ideal directors' monitor, focus pullers' monitor, program or preview display for video switchers and perfect for vloggers presenting to camera.

Camera Controls at the Fingertips

Control camera functions with the intuitive touchscreen of the Shinobi 7, designed to give you fast access to the most crucial camera features. The optional Atomos USB-C to serial cable gives you direct control of all the menu configurations on Z Cam E2 series cameras, so that you can focus on the beautiful image and make dynamic adjustments of iris, white balance, shutter angle and ND.

HDR in the Field

Shinobi 7 screen displays a stunning 10+ stops of dynamic range in real time from Log/PQ/HLG signals. Combined with our unique HDR monitoring features, the Shinobi 7 simplifies the complexities of shooting Log and HDR.

Built in 3D LUT Box

In addition to Log to HDR conversions, you can also use your own custom LUTs to feed downstream or live feed. Load up to eight custom LUTs at any time via the SD Card Slot and instantly select between them, maintaining creative intent at all times.

The Best of AtomOS 10

Shinobi 7 utilizes the AtomOS 10 platform and is packed with an extensive suite of scopes and simple one-touch operations. Shinobi includes monitoring tools for focus, framing & exposure, including Focus Peaking, 4:1 / 2:1 / 1:1 Zoom in, Zebra, False Color, Cine and social frame guides, SMPTE Safe Area, Waveform, RGB parade, vectorscope, anamorphic de-squeeze.

Atomos 'Analysis' Mode

The Analysis feature allows you to see a waveform, histogram and vectorscope simultaneously whilst monitoring the image to ensure complete control of your image. You can even switch between different waveform, histogram and vector scope options on the fly with a single touch

Continuous Power

Shinobi 7 was designed to optimize battery usage while monitoring, as the dual battery slots combine to allow you to run all day and easily hot-swap batteries. The dedicated locking DC jack input allows you to connect to mains power on-set and can also be used with the optional DC to D-Tap cable for power in the field from block batteries.

Pro I/O and Cross Conversion

With both HDMI and SDI for input or output Shinobi 7 fits in to any production. With built in cross conversion and 4k to HD down conversion you can easily bring HDMI cameras in to SDI workflows with out the need for separate convertors.

Factory & User Calibration

Factory calibrated for Rec.709, Shinobi 7 also supports user calibration with X-Rite's i1DisplayPro/Plus and free Atomos Calibration software, which automates the calibration of the screen to ensure accurate and reliable HDR and Rec. 709 monitoring.

Price

US$699 ex. tax
SKU: ATOMSHB002 | UPC: 814164022576

Shinobi 7 - Technical specifications

Physical Specifications

Weight (Monitor Only)	577g / 1.04lb (excluding batteries)
Dimensions (Monitor Only)	198mm x 133mm x 39mm
Mount Points	1 x Anti rotation 1/4" / 3/8 top and bottom

Construction

Body	Polycarbonate ABS Plastic
Cooling	Actively controlled fan and heat sink
Multi-function Button	Power / lock screen

Power

Input voltage (battery)	6.2V to 16.8V
Battery Voltage	7.2V
Operating Power	5.8-7.2W
Compatible Batteries	2 x NPF L series
Battery Run Time	5200mAh - up to 2hrs, 7800mAh - up to 3hrs
DC In	Locking DC jack
Continuous power	Dual battery slots
DTAP	Via optional DTap to DC cable

Display

Touchscreen	SuperAtom IPS panel (capacitive touch)
Size	7"
Resolution	1920 x 1200
PPI	325
Bit Depth	10-bit (8+2 FRC)
Backlight	Edge lit
Brightness (cdm2 /Nits)	2200 +/- 10%
Aspect Ratio	16:9 Image Display
Color Gamut	Rec.709
Calibration Support	Atomos Calibrator with Xrite i1 Display Pro / Plus (Retail)

Technology

3D LUT Display	.Cube Format
3D LUT Down Stream	Loop out - HD only
3D LUT 50/50	Yes
Monitoring Modes	Native / HLG / PQ / 3D LUT
HDR Output Conversion	HLG / PQ
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, PQ (HDR10), HLG, Nikon N-Log, Olympus OM-Log, Lecia L-Log
Gamut	BT2020, DCI P3, PDCI 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

Video Input

HDMI	1 x HDMI (2.0) 4Kp60
SDI	1 x 3G SDI - 2k p60
Bit Depth	8 / 10-bit
Video Chroma Subsampling	YCbCr 420 & 422

Video Output

HDMI	1 x HDMI (2.0) 4Kp60
SDI (Play Out)	1 x 3G SDI - 2Kp60

Video Signal Conversion

HDMI to SDI	Yes
SDI to HDMI	Yes

Audio In/Out

HDMI	2ch 24-bit, input dependent
SDI	8ch 24-bit, input dependent
Headphone out	3.5mm 2ch.

Timecode/SYNC

Embedded	HDMI and SDI

Supported Codecs & Frame Rates (Record & Playback)

Supported Resolution & FPS (Monitor Only)	4K DCI: HDMI: 23.98p, 24p, 25p, 29.97p, 50p, 59.94p 4K UHD: HDMI: 23.98p, 24p, 25p, 29.97p, 50p, 59.94p 2K DCI 2046 x 1080: SDI: 23.98p, 24p, 25p, 29.97p, 50p, 59.94p FHD 1920 x 1080 Progressive: HDMI and SDI : 23.98/24/25/29.9/30/50/59.94/60p FHD 1920 x 1080 Interlaced: 50/59.94/60i 1280 x 720p: 50/59.94/60p

Supported Media

SD	SD Card slot for LUTs / Firmware
File System	ExFAT

On Screen Tools

MultiScope Analysis View	Image, selectable Waveform, Histogram, Vector Scopes and Audio bars
Waveform	Yes, 3 size / Position
Histogram	Luma and RGB
RGB Parade	Yes, 3 size / Position
Vector Scope	Yes, 2 size / Position and zoom
Magnification	1 x Zoom 2 x Zoom 4x Zoom
Focus Peaking	Color selected / focus assist sharpening / threshold setting / color / Mono / edges only
False Color	Yes
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, 191:1, 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 and Horizontal selfie mode

Onboard Processing

4K UHD Downscale for HD	Yes
DCI Crop	Yes

External Device Control

Serial 2.5mm Jack	USB-C to Serial (ATOMCAB018)
USB	Camera control for supported cameras in future firmware release
RJ45	Camera control for supported cameras in future firmware release

What's in the box

Accessories Included	Shinobi 7, International DC power adaptor and Quickstart guide
Optional Extras	Power kit, HDMI cables, USB A or C to serial cables, AtomX Mounting Arm, Monitor mount

Warranty

Standard	1 year. Extended to 3 years on product registration