

Zoom unveils the H4essential 32-Bit Handy Recorder at NAMM 2024



Zoom is delighted to announce the H4essential. The H4essential is the successor to our popular H4nPro and features four tracks, 32-bit float recording, improved X/Y microphones that can handle up to 130dB SPL and 2 XLR/jack inputs with locking connectors. All our new recorders are designed with accessibility for the blind and visually impaired. Navigate the menu with audible descriptions through the built-in speaker or headphones. The H4essential can be used as a 32-bit float audio interface via USB-C on the computer, whereby you can also record to the internal SD card at the same time. Using the optional BTA-1 Bluetooth adapter, the H4essential can be synchronized via timecode and controlled remotely via the iOS app. With the new H4essential, creators have now more options for recording their music, podcasts and audio-for-video. The H4essential will be shipping in Q2 2024.

Product video Zoom H4essential: <https://bit.ly/3HyOoz8>

Content of this Press Release:

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Berlin, 25th of January 2024 – Introducing the new H4essential - with four tracks, 32-bit float recording, advanced X/Y mics and 2 XLR/TRS inputs, creators have more ways to record their music, podcasts, and audio-for-video.

Overview

Facts

- Zoom unveils the H4essential 32-Bit Float Handy Recorder
- 32-Bit Float Recording
- 4 tracks
- 2 XLR/jack combo Inputs with locking connectors
- New. X/Y Mic which handles up to 130dB SPL
- Accessibility for visually impaired people
- Waveform display
- Built-in mixer
- Remote Control via iOS App
- Timecode support
- 4-in/2-out 32-Bit Float USB-C audio interface
- Simultaneous recording to SD card and USB

Product name

H4essential

Brand

Zoom

Exclusive distribution

Sound Service GmbH
UK: Sound Service MSL Distribution Ltd

Website

www.sound-service.eu
www.zoomcorp.com

RRP incl. VAT

260,61 Euro incl. 19%VAT
226,80 GBP incl. 20% VAT

Availability

Q2 2024

Media

Press download incl. images

<https://blog.sound-service.eu/press-kits/>

Products for review

Please use press contact below!

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MORE DYNAMIC RANGE

With 32-bit float recording, you never have to adjust levels. The H4essential captures every nuance of your sound ensuring high-quality [\[1\]](#), clip-free audio in every take.

THE FIRST RECORDERS WITH ACCESSIBILITY

The Essential Series was designed with Accessibility for the blind and [\[2\]](#) visually impaired. Navigate the menu with audible descriptions through the built-in speaker or headphones. Creators can choose English, Spanish, French, Japanese, German, Italian or Chinese.*

SOUND PRESSURE LEVEL

The 2 XLR/TRS combo inputs feature Zoom's ultra-clean preamps that supports phantom power and +4dBu professional line level input. The onboard X/Y microphones can capture sound up to a thunderous 130 dB SPL, equivalent to a rock concert.

RECORD AND STREAM

Stream in 32-bit float while simultaneously recording to an SD card. When connected to a PC, Mac, iOS, or Android device [\[3\]](#) using the USB-C Port, the H4essential can be used as a 4-in/2-out audio interface [\[4\]](#).

MIX. MONITOR. RECORD.

Use the built-in mixer to easily adjust each track's audio level. It also has a waveform display so you can see your audio as it records.

BIG STAGE SOUND FOR MUSICIANS

The H4essential is perfect for recording music. With 2 XLR/TRS inputs and the stereo X/Y microphones it's easy to record live shows, rehearsals and songs.

LOCATION SOUND

The XLR inputs can be used to capture on-set dialogue and audio for sound design. The onboard X/Y microphones are perfect for recording ambience.

FOR INTERVIEWS AND PODCASTS

Podcasters can use the H4essential's XLR inputs with external mics for one-on-one conversations and the X/Y mics for interviews on-the-go.

PAIR WITH YOUR IOS DEVICE

Use the BTA-1* Bluetooth Adapter to pair with your iOS device to remotely hit record, adjust your mix, view your waveforms, and change settings.

BLUETOOTH TIMECODE SYNC

With the BTA-1* Bluetooth Adapter you can also pair with Bluetooth timecode devices for audio and video sync.

**Please note: BTA-1 Adapter not included*

SOFT TOUCH CONTROLS

Recording and rotary controls have been designed to allow for quiet operation.

BUILT-IN SPEAKER

You can use the built-in speaker to listen to your recordings for quick reference.

IN AND OUT

Use the 3.5mm line output for headphones or to connect to a camera. The H4essential also features a 3.5mm mic/line input.

BRILLIANT COLOR DISPLAY

The new, vivid full-color LCD screen makes it easy to navigate through the H4essential's menu and functions.

HIGH CAPACITY STORAGE

The H4essential supports SDXC cards up to 1TB [\[5\]](#) to record hours and hours of audio.

TECHNICAL SPECIFICATIONS

Input and output channels	Inputs	Built-in mic (stereo)	1
		XLR/TRS	2
		MIC/LINE IN	1
	Outputs	Headphones	1
		Built-in speaker (mono)	1
	Inputs	Built-in mic	90° XY stereo format
		Directionality	Unidirectional
		Sensitivity	−43 dB/1 Pa at 1 kHz
		Maximum sound pressure input	130 dB SPL
		XLR/TRS	Connector
			XLR/TRS combo jacks × 2 (XLR: 2 HOT TRS: TIP HOT)
		Input gain	Adjustment unnecessary
		Input impedance	XLR : 3 kΩ or more TRS : 3 kΩ or more
		Maximum input level	XLR : +4 dBu TRS : +24 dBu
		Phantom power	+48 V
Outputs	Inputs		Channel total 10 mA or less
			−120 dBu or less (IHF-A) @150 Ω input
		MIC/LINE IN	Connector
			Stereo mini jack ×1
		(supports plug-in power)	Input gain
			Adjustment unnecessary
			Input impedance
			2 kΩ or more
		Headphones	Connector
			Stereo mini jack ×1
Recorder	Outputs		20 mW + 20 mW (into 32 Ω load)
			Maximum output level
			15 Ω or less
			Output impedance
		Built-in speaker	250 mW 8 Ω mono speaker
			Maximum simultaneous recording tracks
			4
			Maximum simultaneous playback tracks
			4
			Recording formats
Recorder	Recording media		WAV
			44.1/48/96 kHz,
			32-bit float mono/stereo
			BWF and iXML formats supported
			4-32GB cards compatible with the

Display		microSDHC specification 64GB–1TB cards compatible with the microSDXC specification 2.0-inch full-color LCD (360 x 240)
USB	Connector	USB Type-C • Use a USB cable that supports data transfer. USB bus power is supported.
	USB Mic	USB2.0 High Speed 44.1/48 kHz 24-bit /32-bit float 4-in/2-out
	File transfer	USB2.0 High Speed Dedicated wireless adapter (ZOOM BTA-1) 4 AA batteries (alkaline, NiMH or lithium) AC adapter (ZOOM AD-17) : DC 5V/1A • USB bus power is supported. Alkaline batteries: about 9 hours NiMH batteries (1900 mAh): about 14 hours Lithium batteries: about 20 hours
Remote		
Power		
Estimated continuous operation times using batteries	2-track recording (built-in XY mic), 48 kHz/32-bit float, phantom power off, no headphones, no remote, display power saving on	
• These values are approximate. • Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions.		
Power consumption		3 W maximum
Dimensions		66.9 mm (W) × 156.1 mm (D) × 38.0 mm (H)
Weight (including batteries)		226g

About the Zoom Corporation

WE'RE ZOOM. AND WE'RE FOR CREATORS.

Zoom designs and produces a wide array of recording devices, multi-effects processors, effects pedals, digital mixers, and samplers. Our innovative, cutting-edge technology is trusted world-wide by sound designers, musicians, podcasters, filmmakers, location sound professionals, electronic news gatherers, and pretty much anyone who creates amazing, important things.

PRESS RELEASE



Zoom's corporate culture is a fusion of engineers and artists; a combination of advanced technological skills and the sense and desire to employ them creatively and imaginatively. Our mission is to design, develop and manufacture high-end, and easy-to-use creative tools that allow anyone, from amateur to professional, to more freely express their creative ideas in today's digitally-driven world.

About the Company Sound Service European Music Distribution

Founded in 1983, the Berlin based Sound Service European Music Distribution has been growing steadily from a one-product-distributor (MFB Fricke; the world's first digital drummachine) to one of the major independent German distribution companies for musical instruments recording studio equipment and PA, Lightning and DJ products. Today Sound Service is one of the leading distribution companies in Europe with exclusive distribution rights for a lot of the A-List MI-brands covering most of the countries in Europe.