

zoom®

WE'RE FOR CREATORS™



HANDY RECORDERS

WINTER 2015

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zoom

WE'RE FOR CREATORS

Capture the audio and the space where the sound lives; the video and the inspiration it carries between the frames.

Creators know that it's not just about the content, it's about the emotion within the content. ZOOM's Handy Recorders allow you to capture every nuance of the experience wherever you go.

Whatever your application—live concert or rehearsal recording, professional videography, or broadcast journalism—we've got a Handy Recorder that's just right for you.

We're Zoom. And We're For Creators.

Creator: Kenneth Crouch
Location: Los Angeles, CA.

CONTENTS

VIDEO RECORDERS

- | | | |
|---|---|------|
|  | Q8 | P.03 |
|  | The world's first high-definition camera with interchangeable microphones and up to four tracks of audio. | |
|  | Q4 | P.07 |
|  | Full high-definition video, high resolution audio, action-mount ready. | |

HANDY RECORDERS

- | | | |
|---|--|------|
|  | H6 | P.09 |
|  | Interchangeable capsules, with up to six tracks of simultaneous recording. The new standard in portable recorders. | |
|  | H5 | P.11 |
|  | Four tracks of simultaneous recording with interchangeable capsules. Evolved recording. | |
|  | H4N | P.13 |
|  | A high performance machine that allows up to four channels to be recorded simultaneously. | |
|  | H2N | P.15 |
|  | Features a new mic arrangement that allows recording using the professional mid-side technique. | |
| | H1 | P.17 |
| | This high quality music recorder features an XY mic pair. | |
| | IQ5/IQ6/IQ7 | P.18 |
| | Turn your iOS device into a fully functional field recorder with the iQ series. | |

Only Everything.

The world's first camera with interchangeable microphones



You've never seen—or heard—anything like it. The Q8 Handy Video Recorder is our most evolved video recorder yet. It's a high-definition video camera with a wide-angle lens, easy to use full-color touchscreen, and flexible mounting options. It's a portable audio recorder with an interchangeable capsule system, dual combo inputs, and the ability to capture up to four tracks of great-sounding audio. It's everything you need to create.

Complete Compatibility for Total Versatility.

The Q8 comes with a detachable X/Y microphone and is compatible with all Zoom input capsules. If you already own an H5 or H6, you can use their capsules with the Q8 too.

SSH-6 Stereo Shotgun Capsule

Stereo sound. Shotgun precision.

The SSH-6 mid-side stereo shotgun capsule includes a super-directional microphone for capturing sound in the center, as well as a bidirectional side mic for capturing sounds from the left and right. Together with the Q8's onboard MS decoder, this allows you to capture a fully mono-compatible stereo image that can be adjusted—ideal for film, video, and television projects. For example, you can capture dialogue or narration with the center mic, and then mix in the desired amount of environmental sound captured by the side mic.



MSH-6 MS Capsule

Endless post-production possibilities

Mid-Side recording allows you to precisely shape your sound. The MSH-6 MS Capsule contains dual mic elements: a forward-facing, unidirectional mic (the "Mid") and a side-facing, bi-directional mic (the "Side"). In conjunction with the Q8's onboard MS decoder, they capture a fully mono-compatible stereo image that can be adjusted, making the MSH-6 ideal for film, video, and television projects.



XYH-6 Large Diaphragm X/Y Capsule

Audio so clear you'll swear you are there

The XYH-6 capsule allows you to craft realistic stereo recordings in every kind of environment. It adds dual large diaphragm mic elements with adjustable width—choose 90 degrees for a more focused sound or 120 degrees for a wider stereo image. It's a great choice for live recording and for capturing sound effects in the field.



SGH-6 Shotgun Capsule

Uniquely unobtrusive

The SGH-6 Shotgun Capsule adds a professional-quality, highly directional microphone to the Q8, creating the perfect setup for broadcast and ENG (electronic newsgathering) applications. Three elements combined with digital signal processing inside the SGH-6 give you the highly directional pickup power of a conventional shotgun mic in a unit only half the size—optimum for recording dialogue and narration with no intrusive mic in the scene.



XYH-5 Shockmounted X/Y Capsule

From jet engine to pin dropping

The two matched unidirectional condenser microphones in the XYH-5 capsule are housed within an advanced shockmount to minimize vibration and handling noise. The design of the XYH-5 also allows it to handle extremely loud sounds, making it perfect for use at live rock concerts and for electronic newsgathering.



XYQ-8 Wide-Angle X/Y Capsule

Put yourself in the picture

X/Y stereo recording allows you to cover a wide area yet still maintain a strong center image. The XYQ-8 capsule is specially designed for use with the Q8. It features two matched unidirectional condenser microphones set at 120 degrees relative to one another for immersive stereo that matches the wide-angle image delivered by the Q8 lens.



* These mic capsules except XYQ-8 are optional accessories.



Q8

The Total Package.

Easy to use and full-featured

The Q8 offers a large full-color LCD touchscreen for ease of use, coupled with a wealth of advanced features like dual combo XLR/TRS inputs for the connection of external microphones and line-level sources; a built-in speaker and stereo Headphone/Line Out jack for audio monitoring; and a HDMI output for video monitoring. Its high-quality wide-angle lens and flexible mounting options means that you can shoot high-def video everywhere you go. Plus there's a USB output that allows the Q8 to be connected with your computer or iPad* so you can use it with your favorite streaming or editing software.

* Apple Camera Connection Kit required.

Express Yourself.

Whatever your genre, wherever your muse leads you

Whether you're a musician, an indie filmmaker, a podcaster, a blogger, a teacher, a YouTube hero, or a video pro, you'll find the Q8 to be the perfect creative companion.



Not Just Evolutionary But Revolutionary

The Q8 offers a slew of innovative features that make it one of the most versatile cameras ever.

Audio Features

Full range, crystal clarity

The Q8 delivers that same great Zoom sound quality you'll find in all our products. Its detachable X/Y microphone provides a standard stereo pickup, or you can connect different Zoom input capsules always have the best mic for the job. A low-cut filter and foam windscreen allow you to eliminate low-frequency noise and rumble. You can even use the Q8 as an audio-only recorder, all the way up to high-resolution 24-bit/96kHz.



Flexible Mounting

Change your point of view

Need a different POV? The Q8's got you covered. Not only can it be attached to any standard tripod, it comes with a tripod-to-three-prong converter so you can use it with every kind of action camera mount too. Set up shots with multiple Q8s for different angles—the full-color touchscreen LCD is fully rotatable so you can always view your image regardless of camera positioning.

USB, Battery life, and File Types

Interconnectivity, power to spare, and selectable file formats

A built-in USB port enables live streaming and allows the Q8 to be used as a webcam or USB microphone. It also allows connection with other equipment and computer software—even an iPad*—for post-production capability.

* Apple Camera Connection Kit required.

The supplied lithium-ion battery that powers the Q8 can be easily recharged in the studio or in the field, using either an optional AC adapter or via USB. Battery life is more than two hours when shooting at 720p/30fps. In audio recording-only mode, battery life is extended further still.



The Q8 records directly to SD, SDHC, and SDXC cards, up to 128GB. Video is stored in MOV file format, with various HD settings for maximum video quality, or you can shoot in standard definition when space or streaming bandwidth is at a premium.

The Q8 can integrate recorded audio directly into the MOV file, or audio can be saved separately from the video data, in time-stamped WAV format for easy synchronization in post-production.

We Are All Creators.

Whatever you're into—music, video, podcasting, blogging, or teaching—the Q8 can help you achieve your creative goals. Here are just a few suggestions for ways it can be used.

The Musician

Capture the total experience

Great performances can be elusive... but with the Q8, they can live forever. Capture the total experience—not just the sights, but the sounds too. Shoot video from the audience and use the supplied wide-angle X/Y mic to capture immersive sound. Take your Q8 onstage to provide the musician's perspective. Or use it at the mixing position and combine sharp high-def video and stereo room sound with the pristine audio signal coming straight from the board.

The Indie Filmmaker

Run and gun

The compact size of the Q8 and its compatibility with both tripod mounts and all three-prong action camera mounts means you can shoot footage anywhere, from perspectives other cameras simply cannot capture. Take it to remote locations. Indoors or outdoors, wherever you go, you can count on your Q8 to deliver crisp video with superior audio.

The YouTube Hero and Podcaster

Go viral

Get creative and go viral! By marrying high-definition video with high-resolution 24-bit/96k audio, the Q8 allows to take your YouTube creations to a new level. Use your Q8 to educate and entertain, to create your own reality show, or to build a podcast network with outstanding quality.

The Blogger

Make a statement

Don't let anything get in the way of the story. The Q8 is perfect for electronic newsgathering, for conducting interviews, and for creating video blogs and podcasts. Capture video and audio to SD card for later editing with your favorite software, or stream it live; you can even use the Q8 as a web camera or USB microphone.

The Teacher

Spread the word

With its high-quality sound and crisp, sharp video, the Q8 is the perfect teaching tool, ideal for creating detailed video lessons and demonstrating fingerings, bowings, and other playing skills. Use it to capture student rehearsals so they can review and perfect both form and technique, documenting and enabling their musical growth.

The Video Pro

Features that matter

With its wide-angle lens and sensing options that automatically adapt to various lighting situations, the Q8 is the ideal tool for creating professional-quality videos with pristine audio. Transfer the data you capture to your favorite editing software via USB and turn your raw footage into a tour de force. Its compact size makes the Q8 the perfect "spot to content" B-roll camera too, allowing you to go where your big rig can't go and capture video from unusual angles. You can even use the Q8 as a standalone audio field recorder.



Q4

Definitive Sound. Singular Vision.



The world needs listeners and viewers, but it belongs to the creators.

The Zoom Q4 combines high-definition video with high-resolution audio. Compact and lightweight yet full-featured, the Q4 provides everything you need to shoot amazing videos with incredible sound. That means you'll never have to compromise on creativity.

THE SOUND BEHIND THE SCENES

The Q4 delivers audio nuance and quality that far surpasses that of any other video camera. Its built-in X/Y microphone allows you to create stunning stereo recordings that cover a wide area while still capturing sound sources in the center with clarity and definition.



X/Y RECORDING

The Q4's wide angle X/Y microphone incorporates two matched unidirectional elements—mics that are especially sensitive to signal coming from directly in front, and less sensitive to signal coming from behind or from the sides. The convenient placement of the mic enables the supplied windscreens to be easily attached, allowing you to use the Q4 even on difficult outdoor shoots. In addition, a built-in low-cut filter can be used to reduce low-frequency noise, allowing you to capture great sound both indoors and outdoors.



HIGH-RESOLUTION AUDIO MEETS HIGH-DEFINITION VIDEO

Professional videographers understand that the sound is as important as the scene. It's not enough to capture the sound of the ocean; you have to be able to *feel* the water bubbling beneath your feet. The Q4 delivers exactly that kind of experience. Its unique blend of high-resolution 24-bit/96kHz audio with high-definition 1080p video means never having to compromise on quality.



APPLICATIONS

It's All About the Experience

The Q4 doesn't just get good footage, it *captures experiences*. Use it to document the important events in your life such as weddings, anniversaries, and graduations—or use it for creative projects, giving your work the crisp, realistic quality it deserves.

MEMORY MAKING

Enjoy That Great Performance Over and Over Again

The Q4's built-in X/Y microphone is designed to capture the natural ambience of a live concert and deliver lifelike sound with sharpness and definition. An optional guitar clamp lets viewers experience firsthand what it's like to be onstage.



VIDEO MAKING

Capture Shots From A Better Perspective

Compact, lightweight, and mountable on any standard tripod or three prong action camera mount, the Q4 is optimized to go where the action is. It offers a full-color LCD which can be freely rotated for self-shooting or detached for increased portability and extended battery life. Sensing options allow the Q4 to automatically adapt to various lighting situations, and there are selectable viewing angles too. The Q4 is also able to send digital data to DAWs or video editors such as iMovie or Final Cut Pro.



NEWS MAKING

Take It Wherever You Go

The Q4 can act as a live web camera or USB microphone, making it as useful for reporting breaking news in the field as it is for personal blogs or conducting interviews. Use it handheld or mount it to any standard tripod or three prong action camera mount for a wide range of interesting angles.



MUSIC MAKING

Unparalleled Audio Quality

The Q4's X/Y microphone and support for high-resolution audio assure full fidelity without compromise, and it's also compatible with a wide array of audio software products that allow you to further enhance your creativity. Connect to your computer or iPad (using an Apple Camera Connection Kit), select your preferred editing or streaming software, and be heard.

FEATURES

Go Wherever Your Imagination Leads You

The Zoom Q4 is equipped to handle even the most demanding filming or recording situations, enabling you to take on a wide range of ambitious projects.

High-Resolution Perspective

The Q4's versatile and flexible design challenges video creators to push themselves to the limit. Compact yet compatible with standard tripod and three prong action camera mounts, the Q4 can go anywhere. Its wide-angle lens and choice of video formats and frame rates allow the Q4 to record sharp, detailed images in any situation, and its full-color rotating LCD—which can be detached during shooting for portability and extended battery life—provides a clear preview of each moment you capture.



Make Connections

The Q4's LCD and built-in speaker allows instant monitoring of your recordings, but it also offers additional flexibility through its various connectors: a stereo 1/8" Mic/Line In jack, a stereo 1/8" Line In/Headphone jack, a micro-HDMI video output, and a USB port. Make use of a wide range of devices to boost your production capabilities: connect, stream, and share.



Charge Forward

All you need to power the Q4 is the single supplied lithium-ion (Li-Ion) battery, which can be recharged with the use of an optional AC adapter or by connecting the Q4 to your computer via USB. Battery life is approximately three hours when shooting video at 720p/30fps, or two hours when shooting high-definition 1080/30fps video, giving you the freedom to leave the studio behind and explore the world around you.



Flexible Formats

The Q4 records directly to SDXC cards up to 128GB in a variety of video and audio file formats, making it fully adaptable for your needs. The three HD settings provide maximum video quality while the two WVGA options can be used to conserve SD card space. The Q4 supports two audio file formats: WAV, up to 24-bit/96kHz, for uncompressed full fidelity sound, or AAC to conserve space.

Optional Accessories

- GHM-1 Guitar Headstock Mount
- MSM-1 Mic Stand Mount
- RJQ-4 Water Resistant Silicone jacket

H6

The groundbreaking H6.
It will change the way
you think about recording forever.



CUBASE LE WAVELAB LE

Four interchangeable mic capsules that can be swapped out as easily as the lenses of a camera.

X/Y Mic Capsule

Live Recording Personified

The H6's included X/Y capsule employs two angled high-quality unidirectional mics which are sensitive to signals coming from the front but less to signals coming from the sides and rear. X/Y recording is optimum when you want to cover a wide area yet still capture a strong center image, making it the perfect choice for all types of live stereo recording.



MS Mic Capsule

The Ultimate In Image Control

Welcome to "Mid-Side" recording, a whole new level of precision in your ability to shape sound. The H6's provided MS Capsule contains dual mic elements – a forward-facing, unidirectional mic (the "Mid") and a side-facing, bi-directional mic (the "Side"). Together with the H6's onboard MS decoder, they capture a fully mono-compatible stereo image that can actually be adjusted after recording – ideal for film, video, and television projects.



Shotgun Mic Capsule

All the Pickup, Half the Length

The optional SGH-6 Shotgun Capsule and SSH-6 Stereo Shotgun Capsule add a pro-quality, highly directional microphone to the H6, creating an ideal audio setup for film, video, live theater, and ENG applications. Three elements combined with digital signal processing inside the H6 / SSH-6 give you the highly directional pickup power of a conventional shotgun mic in a unit only half the size – ideal for recording dialogue and narration with no intrusive mic in the scene.



XLR/TRS Combo Capsule

Full 6-Track Recording

Plugging in the optional EXH-6 Dual XLR/TRS Combo Capsule gives you two more inputs, transforming your H6 into the world's smallest six-track recorder. Connect up to six discrete signals from external microphones, instruments, mixers, or portable music players to fully realize your audio vision. It's all the power of a professional recording studio, right in the palm of your hand.



6-Channel Simultaneous Inputs

The H6 offers four main inputs (1-4), plus two additional inputs (L, R) that are derived from whichever capsule is plugged into the unit. All four main H6 inputs are combo connectors that can accept either XLR or 1/4" balanced or unbalanced phone cables. They can handle both mic- and line-level signals. Each of the six inputs have a dedicated gain control knob as well as a -20dB pad, allowing you to prevent distortion even when high-level signals are introduced.



Line, Headphone, and USB Outputs

The H6 Line Out (unbalanced stereo 1/8" phone jack) carries the analog stereo output signal, as determined by the H6's internal mixer. The H6 USB port provides a digital output of either a stereo mix or the six individual input signals, depending upon the setting of the "Audio Interface" function in the USB menu. In addition, the H6 provides a headphone output with a dedicated volume control. Connect your headphones to the stereo 1/8" mini phone jack for private monitoring of the stereo output signal. The H6 even has a built-in speaker for fast monophonic monitoring of the recorded signal without the need to make any connections whatsoever.

Get the sound that completes the scene

The H6 is perfect for use on a video or DSLR camera. The remarkable depth and clarity of sound achieved by the stereo mic design brings additional realism and depth to HD video. By attaching the H6 to a DSLR video camera with an optional hot shoe mount (HS-1), you can create a professional video system with high-quality sound.



Recording Features

Pre-Record

Its Pre-Record function automatically keeps the H6 silently but continuously recording in the background, all the time. Then, when you hit the RECORD button, it keeps the previous two seconds and appends it to the beginning of the file. It's as if the H6 had started recording two seconds before you actually got to hit the button.

Backup-Record

Backup-Record—the ultimate safety net. When turned on during the recording of WAV files, the H6 automatically records a duplicate set of L/R tracks, but with 12dB less input gain. Even if the original L/R track is distorted, chances are the Backup version is fine.

Auto-Record

The Auto-Record function allows the H6 to automatically start recording when a certain level of sound is detected. When turned ON and the RECORD button is pressed, the H6 doesn't immediately start recording; instead, it goes into a standby mode; as soon as an incoming signal exceeds the Start Level you've set, recording begins.



Onboard effects

A low-cut filter is useful for eliminating pops, wind noise, blowing, transmitted resonance from an onstage mic stand and other kinds of low frequency rumble. Compression and limiting compensate for fluctuations in level; in essence, they act like an automatic volume control, reducing the level of louder sounds. The main difference between the two is that a limiter reduces louder sounds more severely. In addition, there's an onboard metronome and chromatic / guitar / bass tuner—both handy tools when recording musical content.

Using the H6 as an audio interface

When the H6 is set to "Stereo Mix" in the USB menu, it acts as a 2-input / 2-output interface; when set to "Multi Track," it acts as a 6-input / 2-output interface. The H6's onboard INPUT&OUTPUT mixer allows you to create a custom stereo or six-track mix for output via USB, with independent control over the level and panning of each track, as well as access to effects like low-cut filtering, compression and limiting.



H5

EVOLVED RECORDING

The all-new H5. Built with an interchangeable capsule system and ultra-low noise floor. The H5 handles up to 140 dB SPL and captures moments in near-perfect audio.



Louder. Closer. Cleaner.

X/Y recording allows you to cover a wide area yet still capture sound sources in the center with clarity and definition, making it ideal for all types of live stereo recording. The XYH-5 X/Y microphone capsule included with the H5 provides two matched unidirectional condenser microphones set at a 90 degree angle. These are housed within an advanced shockmount that employs rugged external mic wires and rubberized material to isolate the unit from the H5 body and thus minimize vibration and handling noise. The design of the XYH-5 also allows the H5 to handle louder sounds than any other Handy Recorder model: 140 dB SPL, to be precise—equivalent to the sound of a jet aircraft from less than 200 feet away—enabling you to capture sounds louder, closer, and cleaner than you ever could before.

Five Interchangeable capsules that can be swapped out as easily as the lenses of a camera

The H5's modular design means that you can always use the best microphone for every recording environment.



The Hardware

User Interface

In addition to standard transport controls (stop, play/pause, record, rewind and fast-forward), the front panel of the H5 offers dedicated record arming buttons for each track, which double as mute switches during playback. A Hold switch disables all front panel buttons to prevent accidental operation during recording. The H5 can be attached to a camera strap or, with the use of our optional Hot Shoe mount, mounted directly to a DSLR or camcorder.



Inputs

The H5 also provides everything you need to connect with the outside world. Dual combo XLR/TRS inputs that can handle both mic- and line-level signals allow you to connect external microphones and line-level devices like mixers, portable music players, effects processors and electronic keyboards—even electric guitars or basses equipped with active electronics. Each H5 input has its own dedicated gain control knob, located beneath a protective bar that prevents accidental movement during handling. The supplied XYH-5 X/Y capsule also provides a secondary input for connecting stereo mic- or line-level signal via a 1/8" mini phone jack. The H5 supports a +4 dB (professional) input level and utilizes the same high-quality preamps as our flagship H6, ensuring great-sounding recordings in all sonic environments.



Outputs

There are lots of output options as well. A dedicated Line Out with adjustable volume allows you to send a stereo audio output from the H5 to the mic input of a video camera or other device without the need for an attenuator cable. In addition, there's a separate headphone output with a dedicated volume control. You can use both outputs simultaneously to route audio to your DSLR while monitoring over headphones. There's also a built-in speaker for fast access playback, and a USB port which allows the H5 to be used as an audio interface for your computer or iPad.



Power and Storage

Just 2 AA batteries—either alkaline or rechargeable NiMH—are required for power. When using alkaline batteries, the H5 will operate for more than 15 hours, even while recording continuously. You can also use an optional AC adapter to power the H5 without batteries. The H5 records directly to SD and SDHC cards up to 32 gigabytes. Maximum recording time is dependent upon the card size and file type; for example, the supplied 2GB SD card can hold approximately fourteen hours of stereo 320kbps MP3 files, three hours of stereo 16-bit / 44.1 kHz WAV files, or an hour of stereo 24-bit / 96kHz WAV files.



The Software

File types

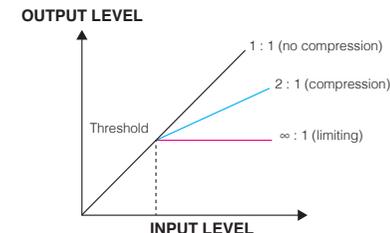
The H5 can operate in two different modes—choose stereo for two-track stereo recording, or multitrack for four-track recording (in either stereo pairs or individual mono tracks)—and it captures audio in the two most commonly used file formats: WAV and MP3.

The WAV files recorded by the H5 can be 16- or 24-bit, with sampling rates of 44.1, 48, or 96kHz*. They are automatically time-stamped and thus Broadcast Wave Format (BWF) compliant, allowing for precise synchronization in video post-production. MP3 files, while slightly lower in fidelity, are much smaller than WAV files and are thus easier to email and post on social networking sites—allowing you to quickly and easily share your creations around the world.

* 96kHz sampling rate available in stereo mode only

Signal Processing

The H5's onboard effects allow you to add polish to your recordings. Compression and limiting compensate for fluctuations in input level, while a low-cut filter helps eliminate wind noise, blowing, and other kinds of low frequency rumble. There's even an onboard metronome and chromatic/guitar/bass tuner.

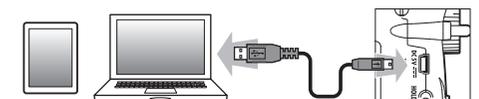


Other features

But the list of H5 features doesn't end there. There's playback looping, pitch change and variable playback speed (without pitch change) to help with phrase training. A pre-record function that keeps the H5 continuously recording in the background, keeping the previous two seconds before you hit RECORD.



There's an Auto-Record function that allows recording to begin automatically when a certain level of sound is detected and an equivalent Auto-Stop function that ends recording when the sound drops below a user-designated level, either immediately or up to 5 seconds later. And then there's Backup-Record—the ultimate safety net.* It enables the H5 to automatically record a duplicate set of stereo tracks with 12dB less input gain. Even if your original track is distorted, chances are the Backup version will be fine!



You can even use your H5 as an audio interface, complete with a Loop Back function that makes it easy to add narration to music playback. Simply connect the H5 to your computer or iPad** via USB, launch your favorite DAW or use the included Cubase LE or WaveLab LE software, and start creating a masterpiece.

* 44.1 and 48kHz WAV files only. ** Apple Camera Connection Kit required.

H4n

The gold standard in portable recording.

The perfect audio companion for location videography, live concert recording, and music-making.



Two paths to perfect stereo

The H4n provides two different means for recording great-sounding stereo. X/Y is an excellent way to cover a wide area while still capturing sound sources in the center with clarity and definition, making it ideal for all types of live stereo recording. The H4n's built-in X/Y microphone provides two matched unidirectional microphones. The angle of the two can easily be changed from 90 degrees for a tightly focused stereo image to 120 degrees for a wider image. (US Patent 8184815)

The H4n also provides an onboard MS decoder so you can do MS ("Mid-Side") recording using external microphones. This powerful technique allows you to adjust the width of the stereo image after it has been recorded, while maintaining perfect mono compatibility, making it especially useful for film, video and television projects.



Audio that's every bit as good as your video

DSLRs deliver excellent quality video but limited audio capability. The H4n fills that gap. It can be connected to any standard tripod, or you can use our optional Hot Shoe adapter to mount it directly to your camera. Its onboard X/Y microphone and support for MS recording give you plenty of options in postproduction, making the H4n an invaluable addition to any location shoot.

The Ins and Outs

The H4n provides dual inputs, both of which are combo connectors that can accept either XLR or 1/4" balanced or unbalanced phone cables. They can handle both mic- and line-level signals as well as instrument-level signals from electric guitars or basses. Phantom power of +24 or +48 volts can be applied to both inputs. In addition, a secondary input allows the connection of external mics—even those requiring 2.5 volts of Plug-In power—and line-level devices such as personal music players or mixer outputs.

The H4n Line/Phone Out is a stereo 1/4" phone jack with dedicated volume control. Headphones can be connected here for private monitoring of the input or recorded signal. There's also a built-in speaker on the back panel for fast monophonic monitoring of the recorded signal without the need to make any connections.

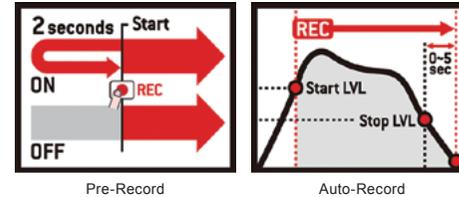


Pre-record and Auto-record

The H4n's Pre-record function automatically keeps the H4n silently but continuously recording in the background, all the time, keeping the previous two seconds* when you hit RECORD.

* One second when recording in 4ch mode at a 96 kHz sampling rate.

Auto-Record allows the H4n to automatically start recording when a certain level of sound is detected. As soon as an incoming signal exceeds the Start Level you've set, recording begins. There's an equivalent Auto-record Stop function, too; as soon as incoming signal drops below the Stop Level you've set, recording ends.



Onboard effects

The H4n provides an arsenal of effects that allow you to add polish to your recordings and compensate for any problems or limitations in the acoustics of the recording environment.

Compression and limiting

Compression and limiting compensate for fluctuations in level, acting like an automatic volume control. The main difference between the two is that a limiter reduces louder sounds more severely.

Low-cut filter

The H4n's low-cut filter allows you to remove signal below a user-designated frequency. This is useful for eliminating pops, wind noise, blowing, and other kinds of low frequency rumble such as transmitted resonance from an onstage mic stand.

Guitar and bass effects

There's also an onboard metronome and chromatic / guitar / bass tuner, as well as dozens of guitar and bass effects, including compression, delay/reverb, modulation, and amp models, which can be chained together to create powerful multi-effects. In addition, playback can be looped and the playback speed varied without pitch change (or vice versa) to facilitate phrase training.

File types supported

The H4n records directly to SD and SDHC cards, up to 32 gigabytes. Audio can be stored as WAV or MP3 files. WAV files recorded with the H4n can be either 16- or 24-bit, with sampling rates of 44.1, 48, or 96 kHz, and are automatically time-stamped, making them Broadcast Wave Format (BWF) compliant—especially important when recording audio for video since it allows for precise synchronization in post-production.

Battery life

The H4n requires just 2 AA batteries—either alkaline or rechargeable NiMH. Battery life when using alkaline batteries is more than 20 hours, even during continuous recording. Alternatively, you can use an optional AD-17 AC adapter, which allows you to power the H4n from any standard wall socket.

Using the H4n as an audio interface

The H4n's USB port allows it to send and receive digital data and to act as a 2-input / 2-output interface, operating at sampling frequencies of either 44.1 or 48kHz. Simply connect the H4n to your laptop or desktop computer via USB, launch your favorite DAW or use the included Cubase LE / WaveLab LE, and start laying down your tracks. When operating at a sampling frequency of 44.1kHz, signal can even be routed through the H4n's onboard effects.



APH-4nSP accessory pack (sold separately)

This accessory pack allows you to expand the productivity of your H4n. It includes an AC adapter for extended operation, a windscreens for wind noise reduction, an attenuator cable for connecting the H4n line output to a camera mic input, a splitter cable to allow simultaneous headphone monitoring, and a USB cable for connection to a Mac/PC.



Introducing the new H4nSP package.

Zoom's world acclaimed, best-selling H4n Handy Recorder is now available in a complete solution package. The H4nSP includes an H4n, the owners' manual, a plastic case, and two AA batteries, as well as licenses for download of Steinberg Cubase LE music production software and WaveLab LE sound editing software.

H4n^{SP}



H2n

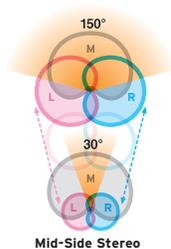
The workhorse of field recorders.

The world's only portable recording device with five built-in microphones and four different recording modes.



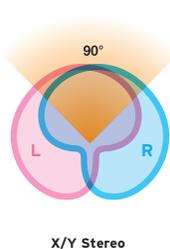
Mid-Side for variable stereo width

Mid-Side recording allows you to adjust the width of the stereo image while maintaining perfect mono compatibility, making it especially useful for film, video and television projects. The H2n's onboard MS decoder allows you to adjust the relative level of the three mid-side mic elements, either during the recording process or afterwards, in post-production. As you increase the level of the Side microphones, the perceived stereo width increases as well.



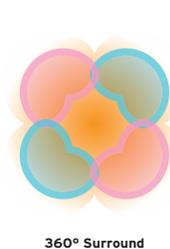
X/Y for natural-sounding stereo

X/Y recording provides a great way to cover a wide area while still capturing sound sources in the center with clarity and definition, making it perfect for all types of live stereo recording. The H2n's built-in X/Y microphone provides two matched unidirectional microphones set at a 90 degree angle relative to one another, optimum for most stereo recording applications.



Surround sound for lifelike realism

The H2n allows you to combine the signals from both the X/Y and MS microphones in order to create surround sound recordings of everything you hear—not just those sounds coming from in front of you, but from all directions. Built-in MS decoding feature can also be used to independently alter the level of the Side signal in surround recordings.



Five microphones, four ways of recording

The H2n offers not one, not two, but five built-in microphones. Two of them are arranged as an X/Y pair, while the other three are configured in an MS ("Mid-Side") pattern. They can be used separately for X/Y or MS stereo recording, or combined to create stunning 2- or 4-channel surround sound.

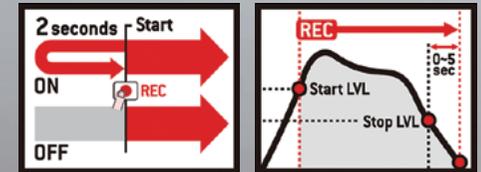


Pre-Record and Auto-Record

The H2n's Pre-record function automatically keeps the H2n silently but continuously recording in the background, all the time, keeping the previous two seconds* when you hit RECORD.

* One second when recording in 4ch surround mode at a 96 kHz sampling rate.

Auto-Record allows the H2n to automatically start recording when a certain level of sound is detected. As soon as an incoming signal exceeds the Start Level you've set, recording begins. There's an equivalent Auto-record Stop function, too; as soon as incoming signal drops below the Stop Level you've set, recording ends.



Onboard effects

The H2n provides compression and limiting to control fluctuations in level, acting like an automatic volume control. There's also a low-cut filter for eliminating pops, wind noise, blowing, and other kinds of low frequency rumble such as transmitted resonance from an onstage mic stand. In addition, the H2n provides an onboard metronome and chromatic / guitar / bass tuner. Playback can be looped and the playback speed varied without pitch change (or vice versa) to facilitate phrase training.

Using the H2n

With its multiple microphones and recording modes, the H2n can handle just about every kind of application, including:

- Live recording of concerts and rehearsals
- Location videography
- Creating audio for YouTube videos
- Generating lasting audio documents of important events
- As a USB microphone providing input to recording software

The Ins and Outs

The H2n Line In is a stereo 1/8" mini phone jack that can accept two channels of mic- and/or line-level signals. Condenser microphones requiring Plug-In Power (2.5 volts) can be connected to this jack. An analog-type Mic Gain dial allows you to manually set input level, or you can choose one of the three Auto Gain presets to automatically set the optimum recording level.

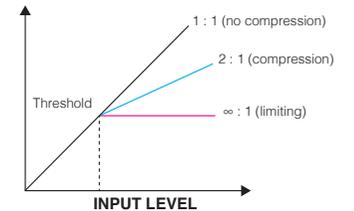


The H2n Line Out is a stereo 1/8" phone jack with dedicated volume control. Headphones can be connected to this jack for private monitoring of the input or recorded signal. There's also a built-in speaker on the back panel for fast monophonic monitoring of the recorded signal without the need to make any connections.

Battery life

The H2n requires just 2 AA batteries—either alkaline or rechargeable NiMH. Battery life when using alkaline batteries is more than 20 hours, even during continuous recording. Alternatively, you can use an optional AD-17 AC adapter, which allows you to power the H2n from any standard wall socket.

OUTPUT LEVEL



File types supported

The H2n records directly to SD and SDHC cards, up to 32 gigabytes. Audio can be stored as WAV or MP3 files. WAV files recorded with the H2n can be either 16- or 24-bit, with sampling rates of 44.1, 48, or 96 kHz, and are automatically time-stamped, making them Broadcast Wave Format (BWF) compliant—especially important when recording audio for video since it allows for precise synchronization in post-production.

The H2n allows you to easily convert WAV files to MP3 format and you can use its internal mixer to mix down the pair of stereo files created in 4ch surround to stereo, with independent control over each track's level and panning.

Using the H2n as an audio interface

The H2n's USB port allows it to send and receive digital data and to act as a 2-input / 2-output audio interface (enabling you to use it as a USB microphone). Simply connect the H2n to your laptop or desktop computer via USB, launch your favorite DAW or use the included Cubase LE / WaveLab LE software, and start laying down your tracks.



H1

Black

White



Good things come in small packages.

Small enough to slip in your pocket, the H1 offers professional-quality stereo recording at an incredibly affordable price.



Portability redefined

The ultra-compact H1 Handy Recorder brings new meaning to the term "portability." Take it with you wherever you go—live concerts and band rehearsals, location video shoots, lectures and meetings—or use it to capture your musical ideas whenever inspiration strikes.

The H1 is perfect for getting song ideas down quickly and can also be used for:

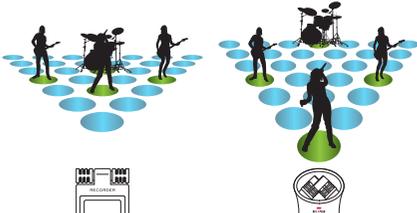
- Documenting lectures and meetings.
- Conducting interviews in the field.
- Recording live concerts and rehearsals.
- Capturing audio for video.

X/Y recording made simple

The X/Y technique provides a great way to cover a wide area while still capturing sound sources in the center with clarity and definition, making it perfect for all types of live stereo recording.

The H1's built-in X/Y microphone provides two matched unidirectional microphones set at a 90 degree angle relative to one another, optimum for most stereo recording applications.

Alternatively, you can connect a pair of external microphones or line level signal to the H1's Mic/Line Input mini phone jack for X/Y or other types of stereo recording.



Ordinary stereo microphone
Flat stereo sound lacks depth and distance and sounds unfocused.

H1 X/Y stereo microphone
Spacious stereo sound accurately captures depth and distance.

The Ins and Outs

The H1's Mic/Line Input is a stereo 1/8" mini phone jack that can accept two mic- and/or line-level signals. Condenser microphones requiring Plug-In Power (2.5 volts) can be connected to this jack.

The Line/Headphones Output is a stereo 1/8" phone jack with a dedicated volume control. Headphones can be connected here for private monitoring. There's also a built-in speaker on the back panel for fast monophonic monitoring of the recorded signal without the need to make any connections.

Auto Level and low cut filter

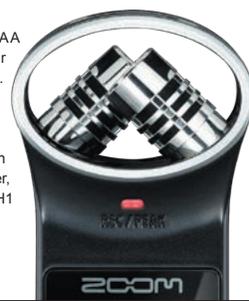
The H1's Auto Level function sets input gain automatically to prevent overload and distortion. Alternatively, input level can be set manually. There's also a built-in low cut filter for the elimination of pops, wind noise, blowing, and other kinds of low frequency rumble.

File types supported

The H1 records directly to microSD and microSDHC cards, up to 32 gigabytes. Audio can be stored as WAV or MP3 files. WAV files recorded with the H1 can be either 16- or 24-bit, with sampling rates of 44.1, 48, or 96 kHz, and are automatically time-stamped, making them Broadcast Wave Format (BWF) compliant—especially important when recording audio for video since it allows for precise synchronization in post-production.

Battery life

The H1 requires just a single AA battery—either alkaline or rechargeable NiMH—for power. Battery life when using an alkaline battery is up to 10 hours, even during continuous recording. Alternatively, you can use an optional AD-17 AC adapter, which allows you to power the H1 from any standard wall socket.



iQ5

Turn Your iOS Device into a Professional-Quality Stereo Recorder.



AUDIO RECORDING

VIDEO RECORDING



The Zoom iQ5 is a high-quality mid-side stereo condenser mic, perfect for recording music and compact enough to be slipped into your pocket. Simply connect it to the Lightning connector of your iPhone, iPad or iPod Touch and get ready to do some serious stereo recording any time, any place.

Use it vertically or use it horizontally

The iQ5 employs a unique rotating mechanism that enables audio recording with correct left-right stereo orientation whether used vertically or horizontally. Use it in standard "audio" position or simply rotate it to the "video" position in order to record video with the attached iPhone, iPad or iPod touch held horizontally.



Mid-side recording made easy

Mid-side recording makes it easy for anyone to record in realistic stereo. Stereo width can be set to 90° or 120° according to the recording situation, or you can opt to record the mid and side mic signals as RAW data and then use Zoom's Handy Recorder iOS app to adjust the stereo width from 30° to 150°. This allows you to go from a tight sound focused on a single instrument to a wide image that includes the surrounding ambience and reverberation.

Precision gain control

Its analog-type MIC GAIN wheel allows you to dial in the perfect amount of gain for any recording application. Or choose one of three Auto Gain presets (Concert / Solo / Meeting) to automatically set the recording level for any given situation. You can also use the iQ5's built-in Limiter to avoid input overloads.



Black

White

The Handy Recorder app

Zoom's free Handy Recorder app is specially designed for use with the iQ5. The app allows you to record in linear PCM format for the highest quality sound, or in AAC format to conserve storage space. It also enables you to apply compression, EQ and reverb effects, as well as normalize and divide files. Using the Handy Recorder app, you can even upload files to the SoundCloud audio sharing site, so you can immediately share your recording with the world.



Use the iQ5 with other apps, too

The iQ5 can be used with most iOS apps that support audio input from an external microphone. For example, you can use it with the standard iOS Camera app to record high quality audio to go with your video and then use streaming apps to broadcast live performances. The iQ5 can also be used to record vocals and instruments when using music apps like Apple's GarageBand.



iQ6 XY STEREO MICROPHONE

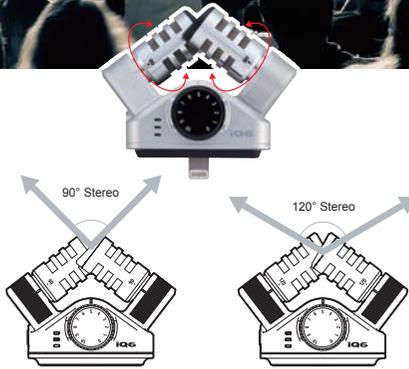
HIGH-QUALITY AUDIO FOR TODAY'S IOS.

Turn your iOS device into a field recorder by plugging in a Zoom iQ6—a stereo X/Y microphone with a Lightning connector small enough to slip into your pocket. Capture the sound of concerts, interviews, meetings and lectures with precision and full fidelity, then share your creations with the world.



X/Y Stereo for Versatility and Realism

The iQ6 features two high quality unidirectional condenser microphones in an X/Y configuration—the same ones used in our world-famous H4n Handy Recorder. X/Y stereo recording is a great way to cover a wide area while still capturing sound sources in the center with clarity and definition. You can even change the mic angle from 90 degrees for a tightly focused image to 120 degrees for immersive wide-angle stereo. (US Patent 8184815)



iQ6/iQ7 Common Features

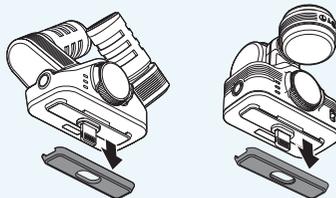
For the iPhone, iPad and iPod Touch

When you're ready to take your iOS audio to the next level, plug in a Zoom iQ Series. This compact yet full-featured mid-side stereo condenser mic is perfect for capturing music as well as video with outstanding audio. With the iQ Series, you can create great-sounding recordings on your iPhone, iPad and iPod Touch any time, any place.



Microphone In, Headphone Out

The iQ Series's large analog-type MIC GAIN wheel and three-segment level LEDs ensure that you'll always get great audio in every environment—from quiet meetings to loud concerts—with crystal clarity and no signal overload. The iQ Series's dedicated headphone jack—which doubles as a line output—enables direct monitoring during both recording and playback.



Extended Compatibility

The iQ Series works with all Lightning-equipped iOS devices. It comes with an extended Lightning connector and a removable spacer for compatibility with most iPhone, iPad and iPod cases. Leave your case on and start recording.

* Some cases might prevent connection even when the case adjuster is removed.

iQ7 MS STEREO MICROPHONE

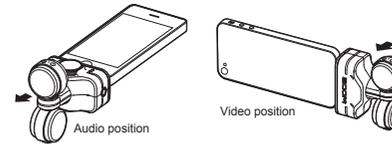
MAKE YOUR VIDEOS SOUND AS GOOD AS THEY LOOK.

The Zoom iQ7 adds a condenser mid-side microphone and advanced features that allow you to create extraordinary stereo recordings on your iPhone, iPad or iPod Touch. It's perfect for capturing music and for adding high-quality audio to your iOS video.



Perfect Left-Right Every Time

The iQ7's rotating mechanism ensures correct left-right stereo orientation whether you're creating audio-only recordings or capturing audio for your video.



Mid-Side Recording

Mid-side is an advanced recording technique that allows the width of the stereo image to be varied, even in post-production. The two microphone elements in the iQ7 include a directional "mid" mic that captures signal coming from directly in front of your iOS device, and a bidirectional "side" mic that captures the audio coming from both sides.

A three-way switch allows you to select between 90° (to focus on sounds coming from the center) and 120° (for a wider image that includes ambience and room signal). A third setting, labeled "M-S," enables you record the audio "raw" and adjust its stereo width afterwards, using Zoom's free downloadable Handy Recorder iOS app.

The Zoom Handy Recorder App

Zoom's free Handy Recorder app, available from the iTunes App Store, adds a wealth of audio tools to your iOS device. Overdub to the stereo recordings created with your iQ Series. Perform fine editing functions in its waveform display. Save your files in either linear PCM or AAC file formats. Apply onboard effects such as compression, EQ and reverb to further enhance the sound. Handy Recorder even allows you to email the audio you create and to upload it to SoundCloud for sharing with the world.



Amplify Your Creativity

The iQ Series is compatible with most iOS apps that support input from an external microphone, including Apple's Voice Memo and Garageband, as well as other popular music recording, voice recognition and streaming apps. Apps that provide support for multiple sampling rates—such as Handy Recorder—work great too, allowing you to choose between 44.1 and 48kHz recording for optimum audio quality.

WSU-1 Universal Windscreen

The optional WSU-1 Universal Windscreen reduces wind noise while remaining acoustically transparent. Not only with the iQ Series, but it can be used with other ZOOM Handy Recorders and Handy Video Recorders.



OPTIONAL ACCESSORIES

Optional mic capsules for H6 / H5 / Q8

XYH-6
X/Y Mic Capsule



XYH-5
X/Y Mic Capsule



SSH-6
Stereo Shotgun Mic



SGH-6
Shotgun Mic Capsule

MSH-6
MS Mic Capsule



EXH-6
XLR/TRS Combo Capsule
**Not Compatible With Q8*



Optional Accessories for Q4 / Q8

GHM-1
Guitar Headstock Mount



MSM-1
Mic Stand Mount



RJQ-4
Water Resistant jacket
**Not Compatible With Q8*



APH-6
H6 Accessory Pack

- Hairy Windscreen
- Remote Control
- AC Power Adapter
- USB Cable



APH-5
H5 Accessory Pack

- Hairy Windscreen
- Remote Control
- AC Power Adapter
- USB Cable



APH-4nSP
H4n Accessory Pack

- Attenuator Cable
- Splitter Cable
- USB Cable
- Hairy Windscreen
- AC Power Adapter



APH-2n
H2n Accessory Pack

- Windscreen
- Tabletop Tripod
- Padded-shell Case
- Remote Control
- AC Power Adapter
- Mic Clip Adapter
- USB Cable



APH-1
H1 Accessory Pack

- Windscreen
- Padded-shell Case
- Tabletop Tripod
- AC Power Adapter
- Mic clip Adapter
- USB Cable



WSU-1
Universal Windscreen

COMPATIBLE ZOOM MICS:
H Series, IQ Series & Q8



AD-14
AC Adapter for H4n
•DC5V/1A (Center positive)



AD-17
AC Adapter for H Series, Q4 & Q8
•DC5V/1A (Center positive)



BT-02
Rechargeable battery for Q4



RC4
Remote Control for H4n



MA2
Mic Clip Adapter for H series, Q series



HS-1
Hot Shoe Mount for H series

