

THE STANDARD FOR

Surround Sound Recording



HOLOPHONE®

H4 SUPERMINI

Portable camera-mountable 5.1 Channel Surround Sound Microphone System for Broadcast, ENG (Electronic News Gathering) and Professional Video and Film Production.

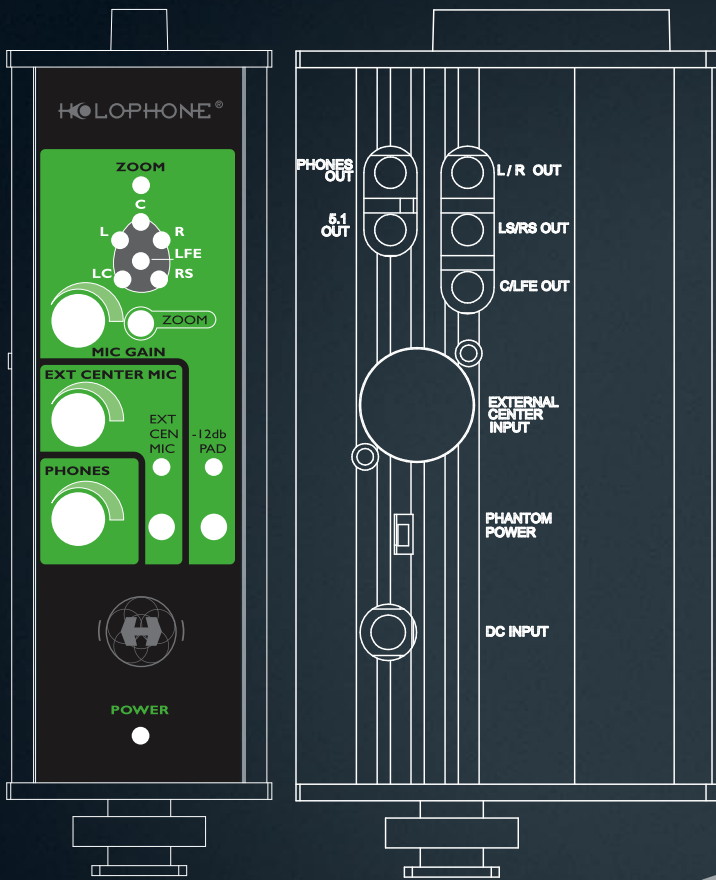
- World's only portable discrete 5.1 channel camera-mountable surround microphone.
- On-board multi-channel Pre-Amplifier, Virtual Surround Headphone Monitor and Encoder.
- Adds Instant, professional-quality 3-Dimensional 5.1 channel surround sound to any video camera with stereo inputs.
- Takes the guesswork out of capturing Surround Sound for video and film productions, records direct to media in camera to eliminate synchronization issues.
- Enables on-camera surround sound capture from multiple points and perspectives within a venue.
- Eliminates the need for costly and complex surround mixing and editing.
- Portable, Lightweight and Super easy to use.
- Based on patented Holophone Surround Audio capture technology, popularized by the highly successful H2-PRO Surround Microphone.
- System is expandable for future applications.

The breakthrough Holophone H4 SuperMINI Surround Sound microphone system delivers expansive 5.1 channel audio field capture in a super compact package, mountable on any professional quality video camera.

The system offers an integrated multi-channel pre-amplifier, virtual surround headphone monitor and matrix surround encoder allowing truly professional results for six-channel processing of live audio from the concert hall and sports stadium to fast-paced ENG applications. The H4 is ideally suited for all live event television broadcasters, live music producers and engineers and film and video location crews who are interested in real-time surround audio for delivery to an ever increasing Home Theater audience. The microphone has six independent microphone elements that are output through either a matrix surround encoded stereo analog output or six line-level analog outputs (L, R, C, LFE, LS, RS) available through three stereo mini-plug jacks. The SuperMINI has additional capabilities that include an input for an external, center-channel placed shotgun or lavalier microphone to enhance sonic opportunity options and features a zoom button that increases the forward bias of the pick-up pattern. It also includes Virtual Surround Monitoring on headphones for real-time on-camera 3-D audio monitoring of the surround field.

The Holophone H4 SuperMINI Surround Sound microphone system finally puts the power of high-quality surround sound production into the hands of the videographer on any level. The H4 SuperMINI is precisely the right tool at the right time for any video, film or broadcast production.

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NOW I'M LISTENING

FEATURES

- Miniaturized Holophone microphone “head” captures 5.1 channels of discrete audio with a Multi-directional pickup pattern that co-relates to standard 5.1 channel surround playback configuration
- Audio can be recorded directly onto camera’s internal media along with picture
- 5 microphone elements (L, R, C, LS, RS) have a bandwidth of 20Hz-20Khz.
- Dedicated LFE (.1) microphone 20Hz to 100Hz for outstanding Low Frequency performance
- Six line-level Analog outputs one per channel available from three, stereo 3.5mm female Mini-plug Jacks
- Matrix Encoded line-level stereo output for connection to camera available on single 3.5mm stereo female Mini-plug Jack.
- Encoded LT/RT Matrix Output is compatible with Dolby® Pro-Logic II and all similar 5.1 channel stereo matrix decoding schemes.
- Matrix-encoded on-camera surround sound can be transmitted, shared and processed via any

stereo infrastructure

- Audio Zoom Button increases the forward bias of microphone pickup pattern for Zoom with close-up camera shot.
- Virtual surround Headphone output with Gain Control on 3.5mm mini stereo jack for live and instantaneous on-camera monitoring of surround field.
- Auxiliary Center channel microphone input (XLR) for attaching external lavalier or shotgun microphone. Selector switch, gain control and phantom power selectable.
- Unity gain, Headphone and external mic level control plus -15db pad for high-SPL situations
- Intuitive Tri-Color LED Holophone Monitor indicates sound level and direction.
- Uses four readily available “AA” Rechargeable batteries, with a minimum five hour battery life.
- Attaches to camera hot shoe (or cold shoe) accessory mount
- Windscreen available
- External charger included.

The Standard for Surround Sound Recording

Holophone Surround Sound Microphones are designed to make Surround Sound capture and recording simple and accessible to new and emerging markets in areas where it’s been traditionally too expensive or too complicated for production. With the HDTV and 5.1 channel home theater revolution in full swing, content creators are faced with the

challenges of providing realistic surround sound to a growing number of viewers in many diverse markets. Holophone Products are specifically designed to take cost and complexity out of the equation for capturing surround sound, and to simply and instantly provide a sonic three-dimensional feeling of “being there” as the end result to the viewer.

PRELIMINARY SPECIFICATIONS

Head Dimensions: Approximately 2.5X 1.5 inch
H4 SuperMINI Microphone and Preamp/Monitor/Encoder (PME)

- H4 Microphone Head Dimensions:** approx. 2.5 inch (6cm) X 1.5 inch (3.5 cm)
- **Total combined Weight:** approx. 1 lbs. (800g)
 - **Total combined dimensions:** 8 inches (20cm)h X 1 inch (2.5cm)d X 2 inches (5cm) w
 - **Directional Characteristics:** Multi-Directional pick-up pattern
 - **Frequency Range:** 5 X 20Hz - 20kHz , 1 X 20Hz – 100Hz
 - **Sensitivity:** -35 +/- 4db
 - **S/N ratio:** More than 64db:
 - **Maximum Sound Pressure Level:** 130db
 - **Impedance:** less than 2.2 kΩ

Connectors:

- **2 Channel Matrix Surround Output:** stereo 3.5 mm miniplug, female, Output level -10 db
- **6 Channel Output:** 3 X stereo 3.5 mm miniplug, female (Left, Right, / Center, LFE, (low frequency)/ Left Surround, Right Surround), Output Level - 10 db
- **Headphone out:** stereo 3.5 mm miniplug, female output level -10db
- **Ext Mic in:** XLR female +4 db balanced
- **Phantom Power voltage supply:** Ext. Mic in: 48v
- **Pad:** -15db
- **Battery requirement:** 4 X “AA” batteries
- **Battery life:** > 5 hours

Surround. Simple.



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