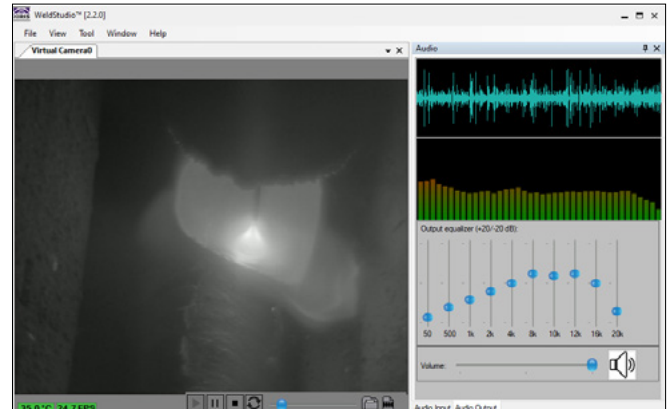


Better Images. Better Audio. Better Decisions. Better Process Control.

The **Xiris WeldMic™** is a welding microphone option specifically designed for integration with a Xiris weld camera to be able to clearly hear, record and playback the welding sound. Audio integration with weld cameras gives fabricators two sensory inputs – sight and sound – to help them remotely monitor and fine-tune the welding process.



Robust Design

With a stainless-steel body, the microphone is robust enough to last in the welding environment while mounted near the camera or close to the welding process. The Xiris WeldMic™ incorporates specialized pre-amplification electronics to provide a high-bandwidth audio transmission without any audio quality degradation. A replaceable acoustic sleeve is also supplied to protect the microphone from any excessive weld spatter or fumes.

Integrated with the Xiris HMI

A single industrial audio cable connects the WeldMic™ to the Xiris audio card installed in the Xiris HMI (integrated with the Xiris camera system). This simplifies installation and minimizes the need for additional cables or interfaces. A standard 3.5mm audio jack is provided on the front panel of the HMI for audio out to connect to earphones or an external speaker, for listening live or reviewing playback sounds.

Xiris Software Integration

The Xiris WeldMic™ is fully compatible with all Xiris WeldStudio™ software which includes an audio processing module, a 10 band Equalizer (EQ), microphone controls and visual audio waveform displays. This enables monitoring and analyzing of the welding sounds live, and/or recording the audio information directly to the video files. The EQ can be used on both the live and recorded audio to enhance or minimize key sounds. The displayed waveform can help to visualize and alert the user to any abnormal process conditions even if not listening live.

Welding Specific Functionality

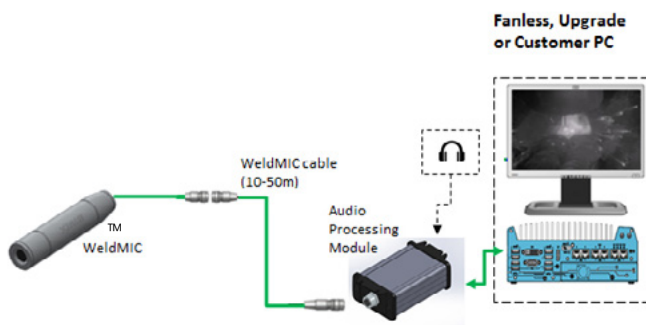
The Xiris WeldMic™ system has been specifically designed to capture welding sounds in a noisy manufacturing environment. Using a directional cardioid pick up pattern with noise reduction features, the WeldMic™ is able to record the welding sound clearly and reliably while eliminating unwanted background noise and interference.

Easy Integration

For existing Xiris weld camera systems or where a Xiris weld camera is connected to a 3rd party PC, the Standalone WeldMic™ kit with a separate Xiris Audio processing module can be easily added and connected via a short USB cable.

The Integrated option is for new Xiris camera systems using the Xiris HMI/Controller minimizing additional cables and footprint.

Standalone



Integrated



WeldMic™ Specifications

Dimensions (mm)	18 (Dia.) x 80 (L)	Software	All Xiris WeldStudio™ Software
Weight	Approx. 95 g.	Frequency Response	50 Hz - 20kHz
Microphone Mounting	Microphone Clamp / Flex arm (optional)	Audio Controls	10 band frequency EQ, Gain & Volume control, Mute, Recording, and Playback
Microphone Cable and Connectors	10, 20, 30, 40, 50m cables with M12 connectors.	Data	Audio is encoded with video and recorded as an .AVI file (48kHz - 16 bit)
Temperature	Operating: 0° - 70° C	Dynamic Range	+ 120 dB Sound Pressure Level
Humidity	Operating: 20 - 90% (non condensing)	Power Consumption	Maximum 2 W via Xiris Audio Interface
Audio Out	3.5mm TRS Audio Jack (for Earphones or External Speaker)	Compliance	CE, FCC-B, RoHS