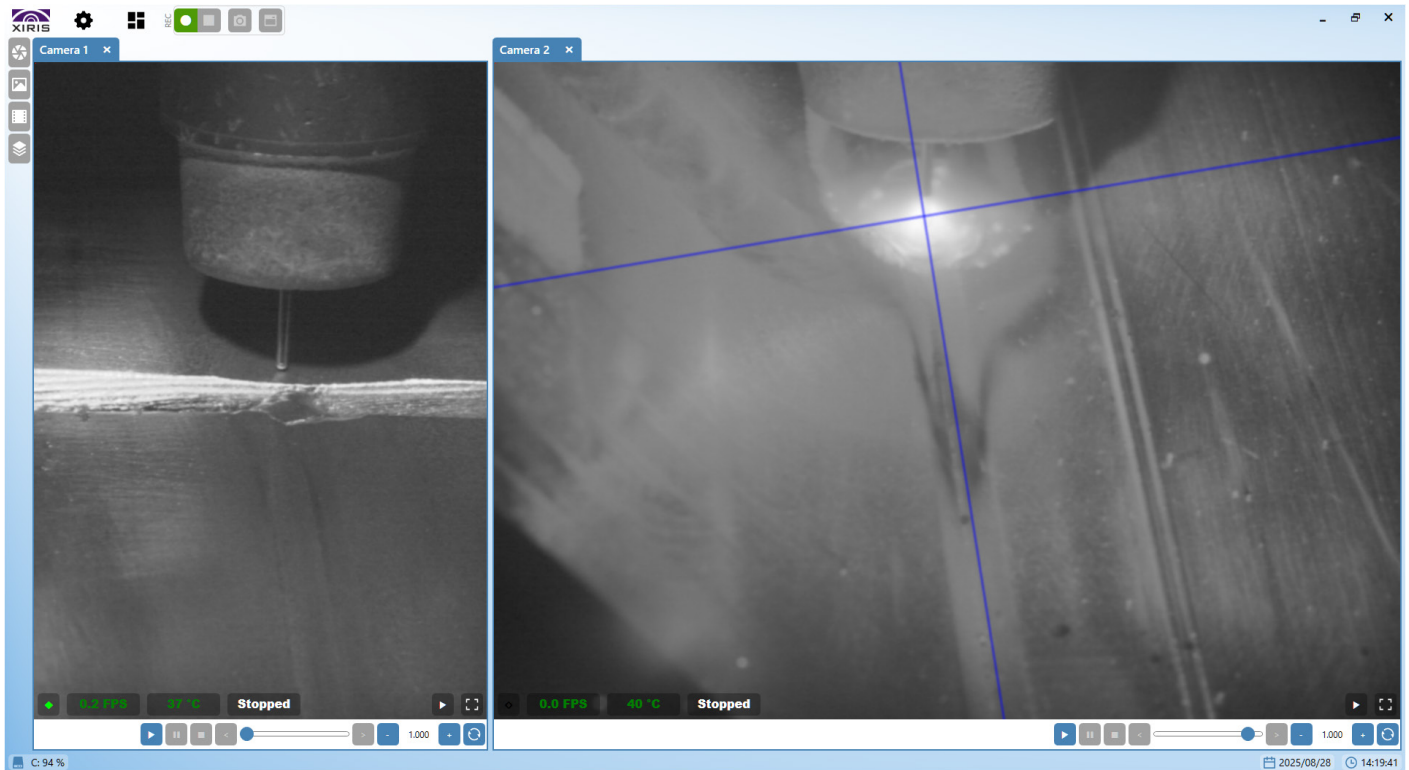


Xiris® WeldStudio™

Xiris WeldStudio™ is a user-friendly software utility designed for welding professionals to view, record, and analyze live weld processes with Xiris weld cameras. Its intuitive, touchscreen-compatible interface enables real-time remote weld monitoring—enhancing safety, productivity, and process insight.

WeldStudio™ is ideal for production cells, training environments, R&D facilities, and process development.



WeldStudio™ Graphical User Interface with Touchscreen Features

Key Benefits

- **Advanced image processing** and **pseudo-color tools** improve weld visibility by increasing contrast and highlighting key features.
- Seamless audio-video synchronization through **Xiris WeldMic™** integration, enabling simultaneous recording and playback for process monitoring, fine-tuning, or augmenting weld training.
- **Multi-camera monitoring** from a single user interface allows users to view and manage multiple weld cameras with support for network streaming and remote access, perfect for dual-angle monitoring.
- Secure and role-based **Permissions System** ensures that system settings are protected by user role—Operator, Technician, or Admin to prevent accidental changes or unauthorized settings.
- **Touchscreen**-optimized interface with large icons and intuitive controls simplifies navigation, enabling quick setup and seamless operation during live monitoring.
- Customizable **on-screen overlays** such as crosshairs, rulers, and scaling tools offer clear visual references to assist precise alignment and measurement during monitoring.

WeldStudio™ Specifications and Features

Supported Xiris Products	- XVC-310 - XVC-700 / 710 / 750T - XVC-1000 / 1100 - XVC-1000e / 1100e - XVC-S100 - CellView - WeldMic™	Operating System	- Windows 10 or later (64 Bit)
Camera Tools	- Rolling / Global shutter - 8 / 12-bit pixel depth - Frame rate and exposure control - Picture-in-Picture (PIP) tool - Area of Interest (AOI) settings - Focus and illumination controls (for XVC-1000e / 1100e)	Image Processing Controls	- Advanced tone mapping (Saturation, Gamma, Gain, AGC) - Image Flip, Mirror, Rotate - Digital zoom (up to 100x) - Pseudo-color tool - Image sharpening tool
Camera Trigger	- Auto-weld detection via photodiode, I/O, or image histogram - Triggering via Xiris Camera Trigger Kit	Display Overlays	- Multiple crosshair types with adjustable color, position, and rotation
Recording and Playback	- Video recording in RAW and .avi formats - Snapshot capture in .png format - Integrated video player with pause and frame stepping - Video annotation - Up to 10-second pre-recording buffer	Streaming	- Video streaming via RTSP or WebApp over internal/shared networks
PC Specifications (Minimum)	- Intel i5 Gen8 CPU with 4 cores, 4.5 GHz Turbo - 8 GB RAM, 256 GB SSD - 1 Gbps Intel Ethernet port per camera (jumbo frames enabled) - Two USB 3.1 ports	Display	- Up to three HD displays (hardware dependent) - Remote image streaming via RTSP or WebApp - Configurable layouts via drag-and-drop window docking system

Upgrade to Xiris WeldStudio™ Pro for advanced Machine Vision tools and thermal imaging capabilities. For custom solutions, the Xiris WeldSDK enables direct integration and application development with the Xiris cameras.

Watch WeldStudio™ in action, explore our [Weld Monitoring Video Library](#), and [Talk to an Expert](#) for more information.



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