

# Application Note

## WeldWatch™ EDU system for Education & Training

### *Weld Video – a valuable tool for instruction & student engagement*

Visible Welding has developed weld cameras, software and systems that use video to make weld training more relevant and exciting for students. The WeldWatch EDU System is a complete solution for your welding lab. Why does your school or lab need a weld video camera & system?

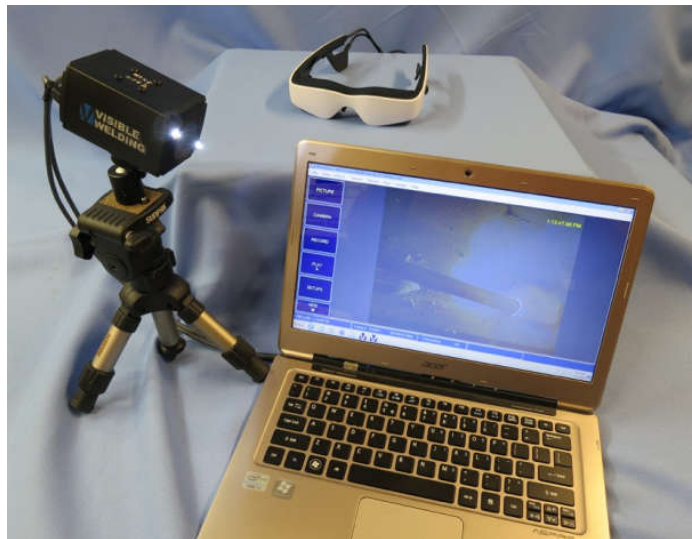
- **LIVE VIEWING** – Watch high resolution live welding without a shield. This can be used for group viewing of demonstrations by an instructor or to let visitors at open houses get a view into the booth without looking over someone's shoulder or wearing a shield.
- **RECORD** – save high resolution video of arc-on welding. Playback for immediate review or save/export for use later.
- **1-on-1 VIDEO TRAINING** – Students weld while the camera records. Instructor and student review video recording together so instructor can point out good and bad in the weld. With a clear image, the student can focus their practice to perfect the skill.
- **REVIEW** – use the WeldWatch software to play back your most recent weld. By showing the video after the weld, the instructor is free to make comments and point out the salient moments in the weld.
- **SHARE VIDEOS** – create how-to videos to supplement your classroom instruction, post on your web site, use for remote/distance learning or have students build a video resume.

### V2019-Z Ultra-Dynamic-Range™ Welding Camera & Software

The WeldWatch System is composed of the V2019-Z 10x zoom color welding camera with our proprietary WeldWatch Software.

The V2019-Z camera has Ultra Dynamic Range specially designed for live viewing of arc welding. The WeldWatch software is tightly integrated with the camera providing close control to get the maximum performance from the hardware.

WeldWatch performs extensive image processing, in real time, as well as digital recording and playback of weld video and still images.



## The WeldWatch System is the best weld camera for your school or lab

- **FULL-COLOR VIEW OF THE LIVE ARC** - We produce a full-color image with the best image of the arc and especially inside-the-arc.
- **10X ZOOM** - Our built-in 10x zoom lens, you can place the camera anywhere from 12" to 36" away from the weld and zoom right in.
- **FAST & EASY SETUP:** our portable camera with zoom and focus lets you move the camera with ease and get up and shooting in minutes.
- **NO FILTERS:** With fully electronic image handling, the V2019Z requires no filters and no special positioning of the arc; you can weld across the screen with no problem (many systems have filters that require the arc to be centered).
- **PC Software:** runs on your own desktop or laptop for portability.
- **Use Standard Goggles for Weld-By-Camera Exercises:** Use standard HDMI goggles (not included). These are available from various vendors with new models constantly introduced.

Find out about our WeldWatch Educational Program that includes special educational discounts from our distributor, InterTest.

[www.intertest.com](http://www.intertest.com)



For more information and sample weld videos:

Visit: [www.VisibleWelding.com](http://www.VisibleWelding.com)

