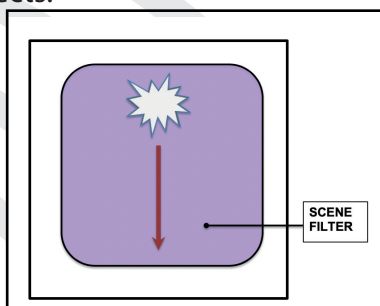


In semi-automatic or automatic welding systems the operation and control of the welding head often occurs at a remote control station. Optimal positioning and adjustment of the welding process therefore requires a visual inspection.

The WVS-16-1F **High Definition** Welding Camera System with Zoom and LCD filter delivers a sharp **colour picture** allowing optimal viewing of the welding head, workpiece and welding arc. The picture can be controlled **before, during and after the welding process** via a small camera control panel. The CCU can control camera zoom, focus and aperture plus three camera presets which can be stored in a memory for shorter set up times and speed up detection of welding defects.

The LCD scene filter can be adjusted by a potentiometer on the CCU when welding commences and **helps the user maintain image quality.**



A ring light provides illumination during camera set up and a water cooling pipe system in the camera helps protect it from heat. Video output options of AHD direct from the camera or PAL from the CCU are available to users.

AHD ZOOM WELDING CAMERA SYSTEM

Features:

- Compact camera head (60 x 60 x 140mm)
- 1/3" 2MP CMOS sensor
- Choice of **High Definition** (AHD) or PAL output
- Integrated 10x 5.1 - 51mm zoom
- Push button control of Zoom, Focus and Aperture
- Single LCD Scene Filter (**2 filter option available**)
- Built in water cooling for camera head
- Replaceable protective glass for camera optics
- Camera - CCU cable length up to 50 metres
 - suitable for drag chain systems
 - optional 2 metre heat protection
- 3 Preset user settings for fast set up
- External trigger adjusts image brightness
- Free standing or panel mount controller options

Specification:

Power Requirements	12 V DC, 220 mA
Power Supply	100 - 240 V AC
Image Sensor	1/3" 2MP 1-CMOS - Colour
Active Pixels	1920 x 1080 HD
Total Pixels	1956 x 1266
Output system	AHD & PAL standard
Lens	5.1 - 51mm 10x optical zoo 54° Wide - 4.9° Telephoto
Aperture	20 steps Fully open - Closed
Resolution	700 TV lines standard
Shutter Mode	Fixed at 1/50 second
Gain	-3 dB to 28 dB (in 2 dB steps)
White Balance	ATW: Auto Tracing White
Scene File Setting	1) Set Up, 2) Welding, 3) User choice
Video Output	AHD 2.0 1920 x 1080 (direct from camera) PAL 752 x 582 (from control panel)
Camera - CCU cable	Up to 50 metres Contact SeeSense with your requirement
Camera/Lens Adjust	Remote Control (for Optimal Adjustment)
Dimensions	Camera Head: 60 (W) x 60 (H) x 140mm (D) CCU: 135 (W) x 55 (H) x 190mm (D)
Weight	Camera Head: approximately 650 grammes
Operating Temp.	0°C to +50°C

Please contact SeeSense for further details and our other welding camera equipment

Rev: 1.024.0220 E.&.O.E.