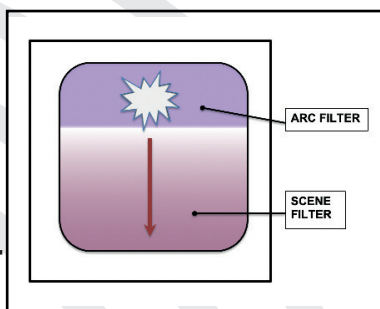


In semi-automatic or automatic welding systems the operation and control of the welding head often occurs at a remote control station. Optimal positioning and adjustment of the welding process therefore requires a visual inspection.

The WVS-16 **High Definition** Welding Camera System with Zoom and two filters 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.

Two LCD scene filters can be adjusted by potentiometers on the CCU when welding commences; the second **'arc filter'** 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
- **Two LCD Scene Filters (Scene and Arc Filters)**
- 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	<b>1) Set Up, 2) Welding, 3) User choice</b>
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 First 2 metres (Optional heat protection) <b>Contact SeeSense with your requirement</b>
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

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