



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

Our Welding Camera System with choice of Prime lenses is an analogue video camera for simple applications where a fixed field of view is required. The camera delivers a sharp **colour** picture which permits optimal viewing of the welding head, workpiece and the welding arc. The picture can be controlled **before, during and after the welding process** via a small control panel.

Focus is easily adjusted and an integrated ring light provides illumination during set up. The system features an automatic switchover at arc-ignition.

Other welding camera systems include :

- WCS-Z Zoom lens system
- WCS-Z2F Two filter zoom lens system
- WCS-P Prime Lens Camera System
- WCS-SM Super Mini B&W Camera
- WCS-M Miniature Monochrome Camera
- WCS-U Miniature Colour USB Camera

## FIXED LENS WELDING CAMERA SYSTEM

### Features:

- Compact camera head (60 x 60 x 140mm)
- 1/4-inch ExView HAD CCD with PAL output
- Simple Adjustment
  - Brightness
  - Sharpness
- Replaceable safety glass for camera optics
- Camera - CCU cable length up to 50 metres
  - suitable for drag chain systems
  - optional 2 metre heat protection
- Automatic switch-over at arc-ignition
- Auto white balance
- Automatic switching of the image brightness is possible via an external trigger.
- Free standing or panel mount controller options
- Weight 640 g. (camera head)

### Specification:

Power Requirements	12 V DC, 220 mA
Power Supply	100 - 240 V AC
Image Sensor	1/4-inch CCD
Output Pixels	752 x 582 PAL standard
Output system	PAL standard
Lenses	35mm HFOV 6° 50mm HFOV 4.2° OTHER LENSES AVAILABLE Focus at the rear of the camera unit
Aperture	F 4
Resolution	460 TV lines standard (vertical and horizontal)
Shutter Mode	Fixed at 1/50 second
Gain	Fixed
Scene File Setting	Adjustable filter for optimal brightness setting
White Balance	ATW: Auto Tracing White
Video Output	CVBS, 1 V p-p (Sync Negative)
Camera - CCU cable	Up to 50 metres First 2 metres (Optional heat protection) Contact SeeSense with your requirement
Dimensions	Camera Head: 60mm (W) x 60mm (H) x 140mm (D) CCU: 100mm (W) x 40mm (H) x 60mm (D)
Weight	Camera Head: approximately 640 grammes
Operating Temp.	0°C to +50°C

Please contact SeeSense for further details & advice.  
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