



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 Zoom delivers a sharp **colour picture** permitting 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 control panel. An integrated ring light provides illumination during set up.

3 user settings can be stored in a memory to enable shorter setup times and speed up detection of any welding defects.

The compact camera housing has an integrated water cooling interface to protect the camera system from heat and dust.

Other SeeSense welding camera systems include:

- WCS-Z2F Two filter zoom lens system
- WCS-P Fixed (Prime) lens system
- WCS-SM Super Mini B&W Camera
- WCS-M Miniature Monochrome Camera
- WCS-U Miniature Colour USB Camera

Please contact SeeSense for further details & advice

www.seesense.eu nigel@seesense.eu

WELDING CAMERA SYSTEM WITH ZOOM

Features:

- Compact camera head (60 x 60 x 140mm)
- 1/4-inch ExView HAD CCD with PAL output
- Integrated 10x 4.2 - 42mm zoom
- Simple Adjustment
 - Brightness
 - Zoom
 - 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
- 3 Preset User settings
- Auto white balance
- Automatic switching of the image brightness is possible via an external trigger.
- Weight 680 g. (camera head)

Specification:

Power Requirements	12 V DC, 220 mA
Power Supply	100 - 240 V AC
Image Sensor	1/4-inch ExView HAD CCD - Colour
Output Pixels	752 x 582 PAL standard
Output system	PAL standard
Lens	10x optical zoom 4.2 - 42mm 46° Wide - 4.6° Tele
Aperture	F 1.8 - 28
Resolution	460 TV lines standard (vertical and horizontal)
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	3 User Files
Video Output	FBAS, 1 V p-p (Sync Negative)
Camera - CCU cable	Up to 50 metres First 2 metres (Optional heat protection) Contact SeeSense with your requirement
Lens Adjustment	Remote Manual (for Optimal Adjustment)
Dimensions	Camera Head: 60mm (W) x 60mm (H) x 140mm (D) CCU: 135mm(W) x 55mm(H) x 190mm(D)
Weight	Camera Head: approximately 680 grammes
Operating Temp.	0°C to +50°C

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