



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.

The WVS-55 is our smallest welding camera solution and has a special monochrome (B&W) logarithmic sensor which automatically compensates exposure before, during and after the welding process. **It is fully automatic and no camera control unit is required.**

Interchangeable lenses are easy to focus and are protected from weld spatter by a special 'iris cover' which also helps improve image quality.

A 0.5m combined power and video cable exits from the rear of the camera to a 4pin connector, then with choice of cable length up to 50m in 5m increments to a splitter box for power and analogue video image.

The WVS-55 is ideal for welding in **small and tight locations** and, as such, sees regular use in the nuclear and aerospace industry where the welding process could otherwise not be monitored.

PLEASE NOTE:

This camera is recommended only for Un-pulsed TIG & Plasma Welding.

(Fast pulsed welding confuses the sensor and will produce a bad image)

MINIATURE TIG WELDING CAMERA SYSTEM

Features:

- Miniature camera system
- Ideal for viewing **Un-pulsed** TIG & Plasma welding processes in small and tight locations
- Stand alone camera - no controller required
- 1/3-inch CMOS Monochrome logarithmic sensor
- 16mm M12 lens includes "Iris Cover / Protector"
- View process before, during & after welding
- Standard PAL output
- Single power and video cable at camera rear
Other cable entry options for tight spaces to special order
- Uses Nativ Wide Dynamic Range™ technology
- Optional Water Cooling System
- Size only 20 x 20 x 18mm
- Camera weight approximately 40 g.

Specification:

Power Requirements	12 V DC
Power Supply	100 - 240 Volt AC
Image Sensor	1/3-inch CMOS Monochrome
Output Pixels	768 x 576 PAL standard
Output system	PAL Standard Composite Video
Lenses	M12 - S-mount 16mm standard Contact SeeSense for other options
Aperture	Depends upon lens selected; our special iris cover improves depth of field & protects the lens
Resolution	460 TV lines standard (vertical and horizontal)
Spectral Range	450 nm - 1050 nm (optional IR cut filter)
Shutter Mode & Gain	Fixed
Frame Rate	25 fps @ 768 x 576 (interlaced)
Dynamic Range	Uses Nativ Wide Dynamic Range™ Technology
Camera cable	1m to 4-pin connector, then ≤ 50 metres in 5m steps to cablesplitter box for power & video Contact SeeSense with your requirement
Cable Entry Options	Rear (standard), Also exit left, right, above or below to <u>special order</u> set at factory.
Cooling	Optional water cooling system
Mount	Camera - 2 x M3 x 0.5 tapped holes Cooling plate - Standard 1/4"-20 tripod mount
Dimensions	Camera Head: 20 x 20 x 18mm (W x H x D)
Weight	Approximately 40 grammes
Operating Temp.	0°C to +50°C

Rev: 1.026.0220 E.&O.E.