



At semiautomatic or automatic welding equipments the service and control of the welding torch mostly occurs from a control station. To set the position of the welding torch and the parameters for the welding process optimally, however, a visual inspection from the control station is required.

The welding camera WVS-14 delivers a sharp colour picture and enabled an optimal viewing of welding head, workpiece and the welding arc. The camera image can be controlled **before, during and after** the welding process with a small operating panel. Brightness, zoom and sharpness can be adjusted very easily. 2 different user setups can be stored in a memory. Thereby the setup time significantly shortened or any welding defects can be detected faster.

Automatic switching of the image brightness by an external trigger is possible.

The compact camera housing (60x60x140mm) with integrated water cooling interface protects the camera system from heat and dust. A protective glass on the front side protects the optics of the camera and can be changed easily.

The camera cable is suitable for drag chain systems and can be installed up to 50m. The cable can be provided with an heat protection for the first 2 m.

The camera has a 2-zone darkening, therefore the brightness of e.g. the incoming weld and the arc are individually adjustable.

Specification:

Sensor: 1/4" ExView HAD CCD, 460 TVL
PAL standard, 752 x 582 Pixel

Lens : 10-X optical zoom,
f= 4,2mm, 46°, Wide
f= 42mm, 4,6°, Tele

Shutter: fixed at 1/50 sec.

Aperture: F = 1,8 to F=28

Gain: -3 dB to 28 dB in 2 dB - Steps

Video output: FBAS, 1 V p_p
Sync. Negativ)

Automatic white balance ATW

Manuell focus for optimal adjustment

2-zone filter for optimal brightness adjustment

2 files for user setup parameter

Camera cable up to 50m

Power: 12 VDC, 220 mA
Power supply 100 - 240VAC
Operating temperature: 0...50 ° C

Size: Camera 60 x 60 x 140 mm,
Panel 135 x 190 x 55 mm (W x D x H)

Weight: Camera only appr. 680 g