



CAMERA SYSTEM ARCVIEW

/ MIG-MAG / CMT / PLASMA / TIG



/ ArcView camera system for visual monitoring of welding processes with extensive features.

The pneumatic controllable protective glass allows direct arc viewing, camera settings like focus and iris can be set up individually at the control unit with a 15" display. Additionally the control unit offers optional recording to USB - drives as well as live viewing via network connection (intranet/internet).



QUALITY

COMPACT AND ROBUST HOUSING

DETAILED IMAGES IN REAL-TIME BEFORE/WHILE/ AFTER WELDING

APPLICABLE AT HIGH AMBIENT TEMPERATURE

ERROR SOURCE ANALYSIS AND VIDEO RECORDING

COMFORT

DISPLAY SCREEN AND CONTROLLING VIA CONTROL PANEL

EASE OF WORK AT LIMITED ACCESSIBILITY

REMOVEDLY TORCH POSITIONING AND SEAM TRACKING

DECREASE OF HAZARDS TO OPERATOR (HEAT, SMOKE)

EFFICIENCY

FAST AND EASY APPLICABLE

OBSERVING AND RAPID CORRECTIONS POSSIBLE

LOWER CYCLE TIME

LESS REWORK

CAMERA MODULE

FEATURES

- / Available with focal distance F15 and F24 according to requirements
- / Bright video image in normal operation and welding operation (with pneumatic active protective glass)
- / Robust aluminium housing
- / Compact design
- / Connection line up to 50 m (1968.5 in)
- / Compatible with water chiller chilly

ARCVIEW CAMERA MODULE	
Sensor	CCD 1/4" colour - PAL
Resolution	450 TVL
Pneumatic filter (air or gas)	Pressure: 4 - 6 bar (58 - 87 psi) Pneumatic-hose: 4 mm (0.16 in)
Cleaning system (air or gas)	Pneumatic-hose: 4 mm (0.16 in)
Max. ambient temperature (camera)	50 °C (122 °F) without cooling
- with air or gas cooling 3 bar	50 - 80 °C (122 - 176 °F)
- with water cooling 25° flow 1,2 l/min	80 - 150 °C (176 - 302 °F)
Dimensions camera d/w/h	50x30x112 mm (2x1.2x4.4 in)
Net weight	0,4 kg (0.9 lb)



HINGE STAND (OPTIONAL)

- / Flexible hinge stand for rapid camera positioning
- / All 3 joints can be clamped via star knob



LIGHT SOURCE (OPTIONAL)

- / Halogen light source with adjustable bracket for variable positioning



COOLING

- / Prepared for air/gas/water cooling
- / Allows operation at max. 150 °C (302 °F) ambient temperature



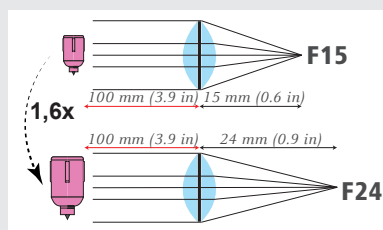
CLEANING

- / Protection against dirt and smoke due to permanent air flow
- / For perfect visibility



PROTECTIVE GLASS

- / Activate with pneumatic for welding operation



FOCAL DISTANCE 15 MM/24 MM (0.6/0.9 IN)

- / F15: 50 - 300 mm (2 - 11.8 in) distance to motive (only for spatter-free processes – TIG/PLASMA)
- / F24: 100 - 500 mm (3.9 - 19.7 in) distance to motive

CONTROL UNIT

FEATURES

- / Available in SINGLE or DUAL type (1 - 2 camera modules)
- / Robust housing
- / 15" colour display with 3 mm (0.12 in) protection glass
- / Focus and brightness manual adjustable for sharp and high contrast images
- / Adjustable tilt angle for more ease of use
- / Stand console with wheels or desk version



DESK VERSION

/ Also available as compact desk version



DUAL TYPE

- / Image changeable: camera 1, camera 2 or split-screen (both cameras)
- / Both camera modules are separately adjustable (aperture, focus, cross line)
- / Recorder included



/ Camera 1



/ Camera 2

**WORLDWIDE
LIVE-VIEW**



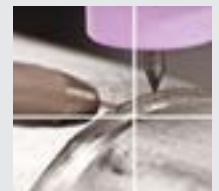
RECORDER & REMOTE CONTROL (OPTIONAL)

- / USB-port for recording and playing videos
- / With option network port, live-stream is possible



NETWORK PORT (OPTIONAL)

- / Internet and company network integration



CROSS LINE (OPTIONAL)

- / Optimal for seam tracking
- / Horizontal and vertical adjustable with variable contrast

ARCVIEW CONTROL UNIT

Power consumption	230 VAC/3,8 A
Protection hose	5 m (196.9 in)
Memory requirement per minute	ca. 3,8 MB
Dimensions d/w/h	480x590x1520 mm (18.9x23.2x59.8 in)
Net weight	41 kg (90.4 lb)

APPLICATIONS

/ ArcView camera system allows inspection and documentation of different welding factors. The result of ArcView integration is higher quality and productivity in working processes. Video recordings are excellently suitable for quality assessment or training material.

The following images demonstrate different application examples.



POSITIONING

/ The optional cross line allows easy and exact torch positioning



PROCESS CONTROL

/ The condition of electrode/weld pool/arc as well as the feeding of the filler material can be checked while welding
/ With cross line, damaged electrodes can be exchanged easily at the same position



WELDING SEAM INSPECTION

/ The quality of the welding seam can be checked during welding process

/ Perfect Welding / Solar Energy / Perfect Charging

THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 5,440 employees worldwide and 1,264 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

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