

XVC-S Sub Arc Welding View Camera

Better Images. Better Decisions. Better Process Control.



The XVC-S viewing camera allows the welding process to be viewed away from the immediate weld area, providing safe, noise free, real-time views during standard and high welding power conditions. Featuring a rugged housing, crystal clear images, single or dual crosshairs and adjustable field of view, the XVC-S is the only camera you will ever need for manual assists in sub-arc welding applications.

Workforce demands, government regulations, changing business practices, and increasing environmental awareness are driving the manufacturing environment to be quieter, cleaner, healthier, safer and "friendlier" for workers. The XVC-S viewing camera allows the welding process to be viewed safely from the ground level and assists the operator during setup to set the wire length and torch position, as well as make corrective adjustments to the welding process "on the fly", increasing productivity with more "arc on" time, and less operator machine stops.

Red-D-Arc **Welderentals**, an Airgas company, rents and sells welding and weld-positioning equipment - around the world.

XVC-S Sub Arc Welding View Camera

Benefits

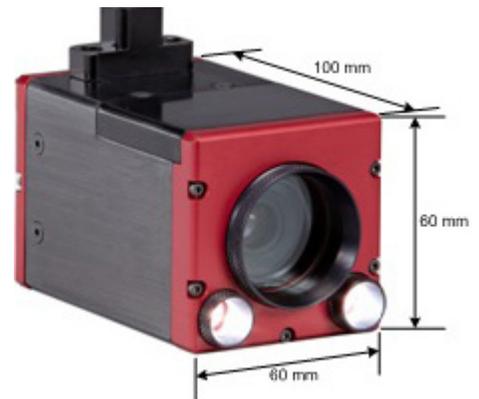
Reduced set up time - Better images reduce the time required to set up the weld tool and materials

Operational productivity - Allows operator to make corrective adjustments to the welding process "on the fly"

Run time productivity - Reduces scrap and rework, mitigating profit loss from weld failures in the field

Troubleshooting - Provides the ability to verify that the weld process is functioning correctly and identifies the source of any potential problems

Health and safety - Provides the means to remove the operator from the direct weld area, providing a quieter, cleaner, healthier and safer work environment



Specifications

Camera Sensor	768 pixels (H) x 494 pixels (V), single chip colour CCD
Camera Module Size (Max)	60 mm (L) X 60 mm (W) x 100mm (H) / 2.4" (L) X 2.4" (W) x 3.9" (H)
Camera Weight	700 g / 24.7 oz.
Working Range: Standoff	150 – 400 mm / 5.9" - 15.7"
Working Range: Field of View	12mm lens - [87 x 63] mm to [211 x 154] mm / [3.4" x 2.5"] to [8.3" x 6"]
Depth of Field (at max. resolution)	115 mm @ 400 mm / 4.5" @ 15.7"
Dynamic Range	60 dB
Camera Output	S-Video (Y/C output 0.75 p-p)
Lens Focus	Manual
Weld Splatter Protection	Removable, protective glass cover
Solid State Auxilliary Lighting	2 white, high intensity LEDs, adjustable brightness
Air Pressure Requirements	3-4 bar / 45-60 psi
Camera Cooling (optional supply)	Air filter + regulator with Vortex cooler
Camera Mount	Mounting from top or bottom via 2 X M3 screws
Camera Support (option)	Camera articulated arm with super clamp mount
Cable Lengths	10 / 20 / 30 m
Power Required	Input power: 12 VDC
External Power Supply (Included)	Brick 100 - 240 VAC 50/60 Hz autosensing, 5A.
Console Mount (option)	Wall mount support / radial arm support
Display Console	Universal Enclosure 15" LCD 1024 X 768 display High bright contrast auto adjust brightness Integrated cross hair overlay for target reference point Feature rich push button menus for LCD and cross hair configuration
Operating Conditions	Operating temp: 0-45°C (32-113°F)
Storage Temp:	-20-60°C (-4-140°F)