Xiris® XVC-S Sub Arc Weld Camera

Better Images. Better Decisions. Better Process Control.

XVC-S

A weld camera with the user in mind.
The XVC-S is intended to be used for sub-arc welding processes. Featuring a rugged housing, crystal clear images, single or dual crosshairs with feature rich functions, and adjustable field of view, the XVC-S is the only camera clients will ever need for manual assists in sub arc welding applications.

All of the components are industrial grade, quality designed for robustness in AC/DC welding, reliable and easy to install and use.

The base package offers a robust system right out of the box. Beyond the base package, several options for monitor mount, camera mount, and cooling provide OEMs a one-stop package configuration, allowing them to focus their important resources on key tasks of system design, build and integration of the weld machine.

Why use a weld camera?

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.

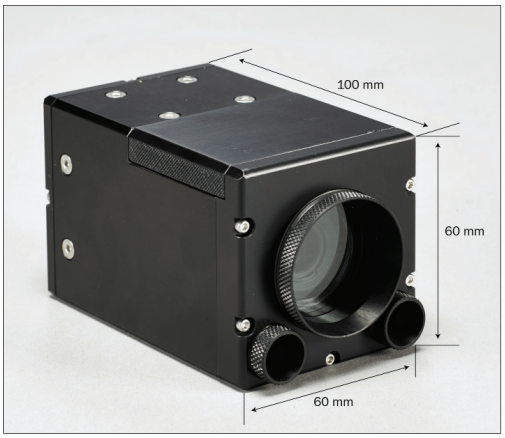
Health and safety best practice trends see end users remove the operator from the immediate weld area.

The XVC-S weld camera allows the welding process to be viewed from the ground level and provides clean, noise free real-time views during standard and high welding power conditions.

Using a weld camera assists the operator during setup to set the wire length and torch position. Using a weld camera increases productivity with more “arc on” time, and less operator machine stops.

Xiris® XVC-S - *Sub Arc Weld Camera System*

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: XVC-S Standard

Camera Sensor	768 pixels (H) x 494 pixels (V), Single Chip Color 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	12 VDC, 5A	
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 & Cross Hair configuration
Operating Conditions	Operating Temp: 0-45°C (32-113°F) Storage Temp: -20-60°C (-4-140°F)	

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