

Better Images. Better Decisions. Better Process Control.



XVC-S (OEM)

A weld camera with the OEM in mind. The XVC-S (OEM) is intended to be integrated by OEMs into their automated sub-arc welding processes. Featuring a rugged housing, crystal clear images, single or dual crosshairs and an adjustable field of view, the XVC-S (OEM) provides machine builders the flexibility of integrating a durable sub arc welding camera into their control hardware for resale into automated welding applications.

All of the components are industrial grade, quality designed for robustness in AC/DC Sub Arc welding. Reliable, easy to use and integrate into OEM production equipment and control cabinets, the XVC-S (OEM) can add great value for your customer at minimal cost.

The OEM package includes a rugged camera with solid state lighting, up to 30 m of cable and a control box housed in a diecast housing with membrane keypad that can be conveniently mounted inside or outside of control cabinets. Additional options can be provided for camera mounting and cooling.

Why integrate 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 wanting to remove the operator from the immediate weld area.

The XVC-S (OEM) weld camera allows the Sub Arc welding process to be viewed remotely, providing noise-free, real-time views during standard and high welding power conditions. OEMs can greatly improve the functionality of their automated welding equipment by integrating an XVC-S (OEM) camera to improve their customers’ productivity with more “arc on” time, less operator machine stops and faster weld set up times.

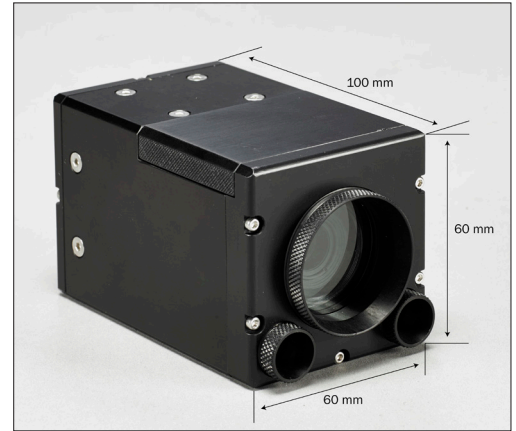
Xiris® XVC-S (OEM) Sub Arc Weld Camera System

Description

The XVC-S (OEM Version) is a package of components designed to be easily integrated into an OEM's automation equipment. It provides the flexibility to be easily mounted externally or internally to the OEM's enclosures.

Including:

- Color CCD Camera in Rugged Housing with Solid State lighting
- 10 m (33 ft.) standard video cable, extendable to 30 m (100 ft.)
- System Electronics with Membrane Keypad in Diecast Aluminum box, with:
 - Graphics Overlay for 1 or 2 crosshairs or grid targets
 - Light Level Control
 - Standard VGA Video Out



Specifications: XVC-S (OEM)

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.	
Electronics Control Box size	121 mm (H) x 175 mm (W) x 56 mm (D) / 4.77"(H) x 6.90"(W) x 2.22"(D)	
Electronics Control Box Connectors	12 VDC in Camera In	VGA out Serial Port (reserved for future use)
Operating Conditions	Operating Temp: 0-45 °C (32-113 °F) Storage Temp: -20-60 °C (-4-140 °F)	

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