



CARPANO
EQUIPMENT

welding automation



| ENG

ARC VISION

Digital camera for monitoring
welding processes

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ARC VISION

Digital camera for monitoring welding processes

- Arc Vision is an industrial camera for monitoring automatic welding processes as:
- **MIG/MAG, TIG, Plasma and SAW**
- Camera is located inside a strong aluminum casing and is available in two versions: without cooling system, for environment with temperature not higher than 50°C and with cooling system, for environment with temperature higher than 50°C.
- The product is supplied provided with software for Microsoft Windows platform.
- The software allows to control up to 4 cameras and to acquire images at the same time.
- 4 integrated leds allow the lighting of the area around the welding arc and get better the vision when arc is off.
- It is possible to set several programs of view with arc on and arc off. These programs can be recalled at will and while occurs the automatic transition from arc off to arc on.
- Images are recordable on memories internal or external to the PC

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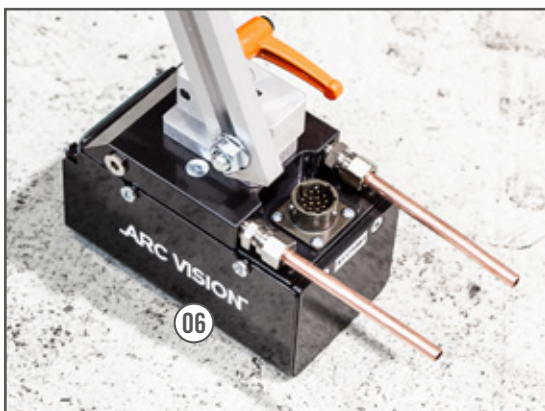
- An updated version of this catalogue is always available inside our website.



ARCV - Arc Vision System, consisting of:

- 01 Camera with adjustable and insulated support
- 02 Interface module for connection to PC and to feeding line
- 03 10m cable for connection between interface module and camera*
- 04 USB key containing arc vision software
- 05 2m ethernet cable for connection between interface module and PC

For environment with temperature lower than 50°C



ARCV-W

Arc Vision System with cooling system, consisting of:

- 06 Camera with adjustable and insulated support and cooling plate
- 02 Interface module for connection to PC and to feeding line
- 03 10m cable for connection between interface module and camera*
- 04 USB key containing arc vision software
- 05 2m ethernet cable for connection between interface module and PC

*On request are available also cables 5, 20 or 30 m long.
For other lengths, please call on our Offices.

For environment with temperature higher than 50°C

Control Kit

ARCV-KIT: Control kit for ARC Vision, consisting of



Fanless PC

- Intel I3 processor
- 4 GB Ram + 120 GB hard disk SSD
- Windows 10 and software for managing the camera already installed and ready to work

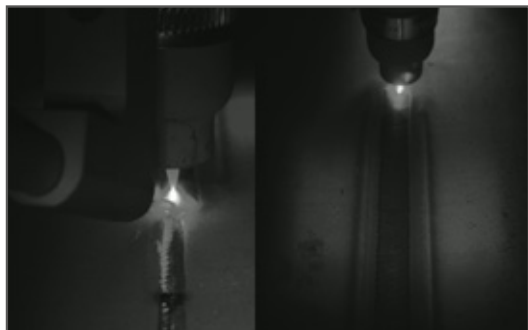
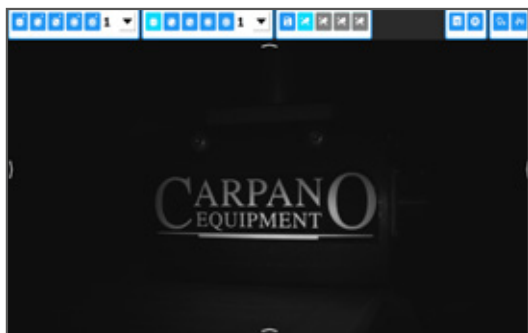
15" LCD touch monitor

- HDMI or serial cable for the connection between monitor and PC

A/m KIT is not necessary, Arc Vision can be connected to any computer provided with similar or better features than ARCV-KIT, either desktop or notebook type.

We do prefer the touch screen for practicality, but it is possible to use mouse and keyboard.

Software - Main features



Supplied on USB drive.

It can be installed on Windows 10 - 64 Bit operating system

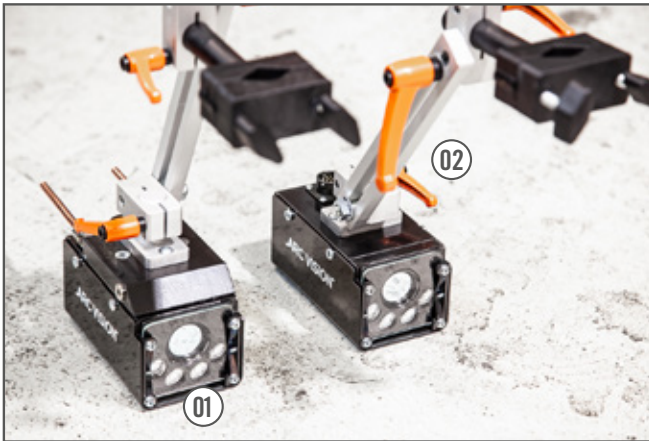
Minimal requirements:

- Processor I3 or higher
- Ram 4 GB (suggested 8 Gb)
- HD 120 GB, suggested SSD
- 1 Gb ethernet socket

Function:

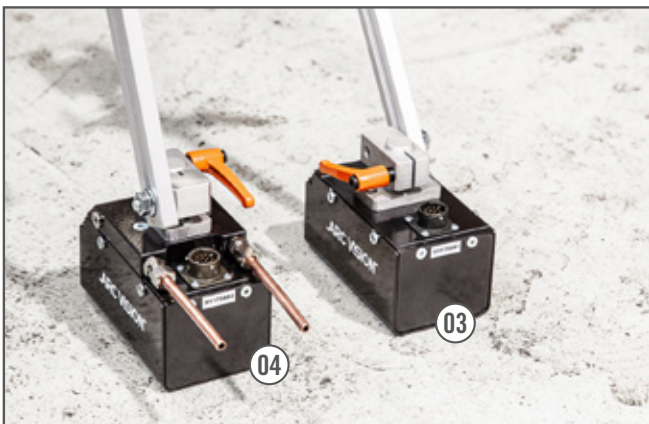
- Possibility to view at the same time images coming out from up to 4 cameras
- Video recording (accordingly with HD capacity)
- 6 vision programs with arc off and 6 with arc on
- Automatic switching, by ARC ON input, from "arc on" program to "arc off" one
- Possibility to define a cross for indicating the position of the joint
- Definition of an area of interest ROI
- Digital zoom

ARCV-CM e ARCV-W-CAM



01 Led for the lighting of the area around the welding torch either with arc off or with arc on.
With protective glass easily extractable.

02 Adjustable support



03 Connection for the cable coming out from interface module

04 Connections for pipes for coolant, on version ARCV-W

ARCV-SUPPLY: interface module for connection to PC and to the feeding line



05 Ethernet connector (for PC)

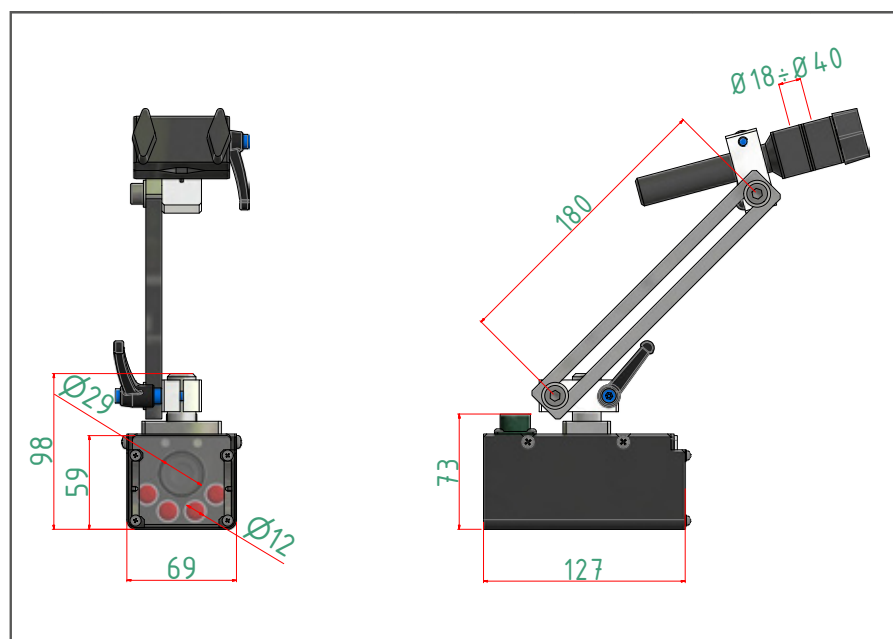
06 Arc ON input

07 Connector for camera cable

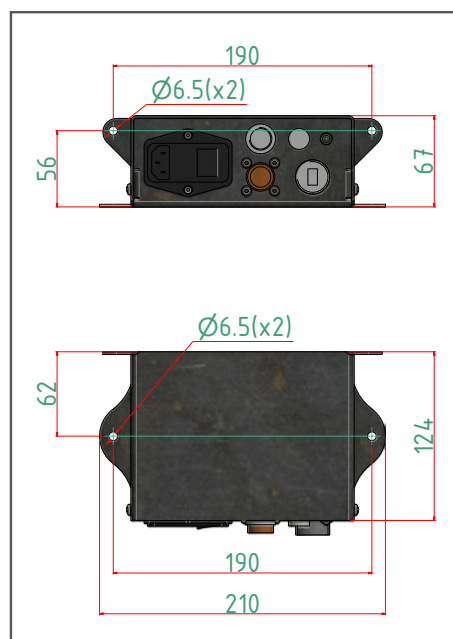
08 Main switch

09 Connector for feeding cable (included):
110-230V single phase

Interface dimensions

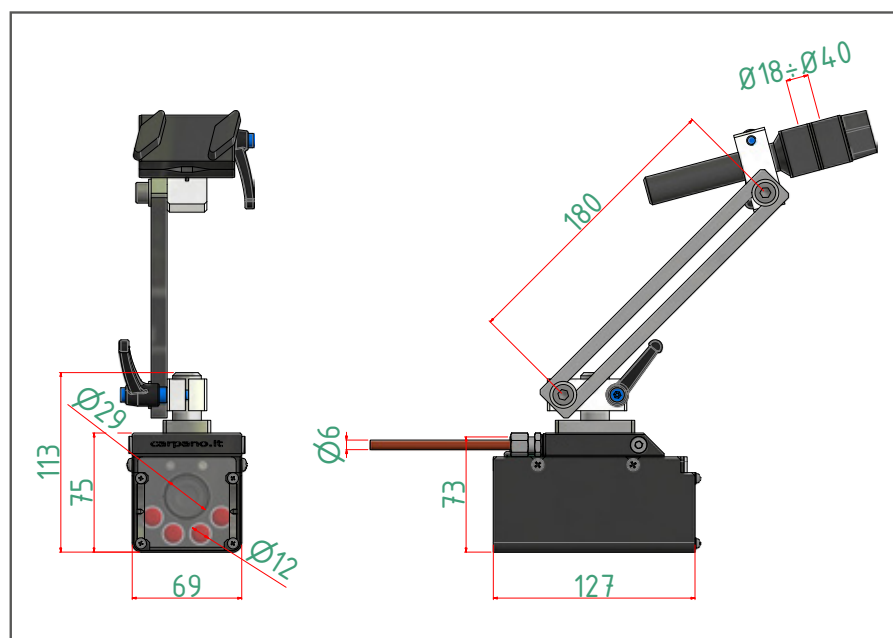


ARCV-CAM

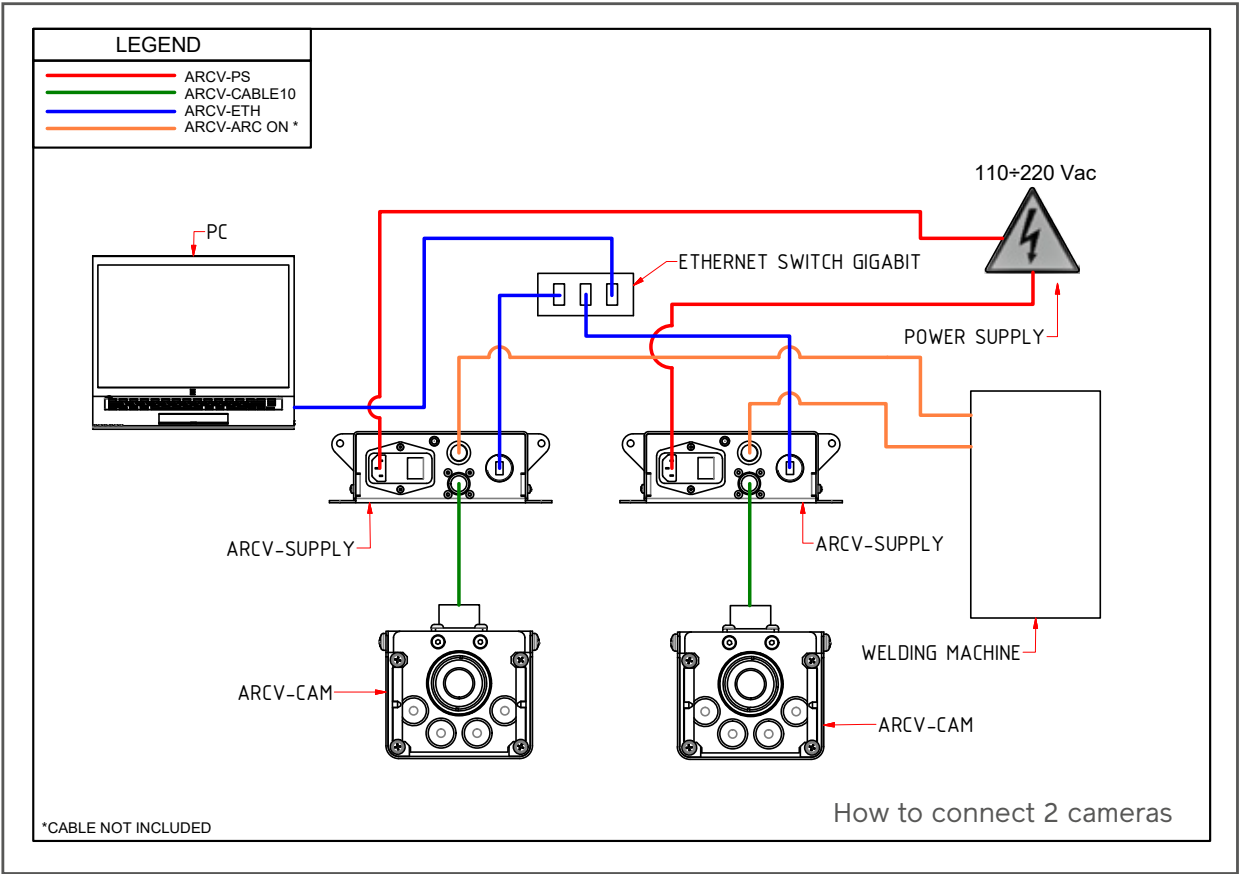
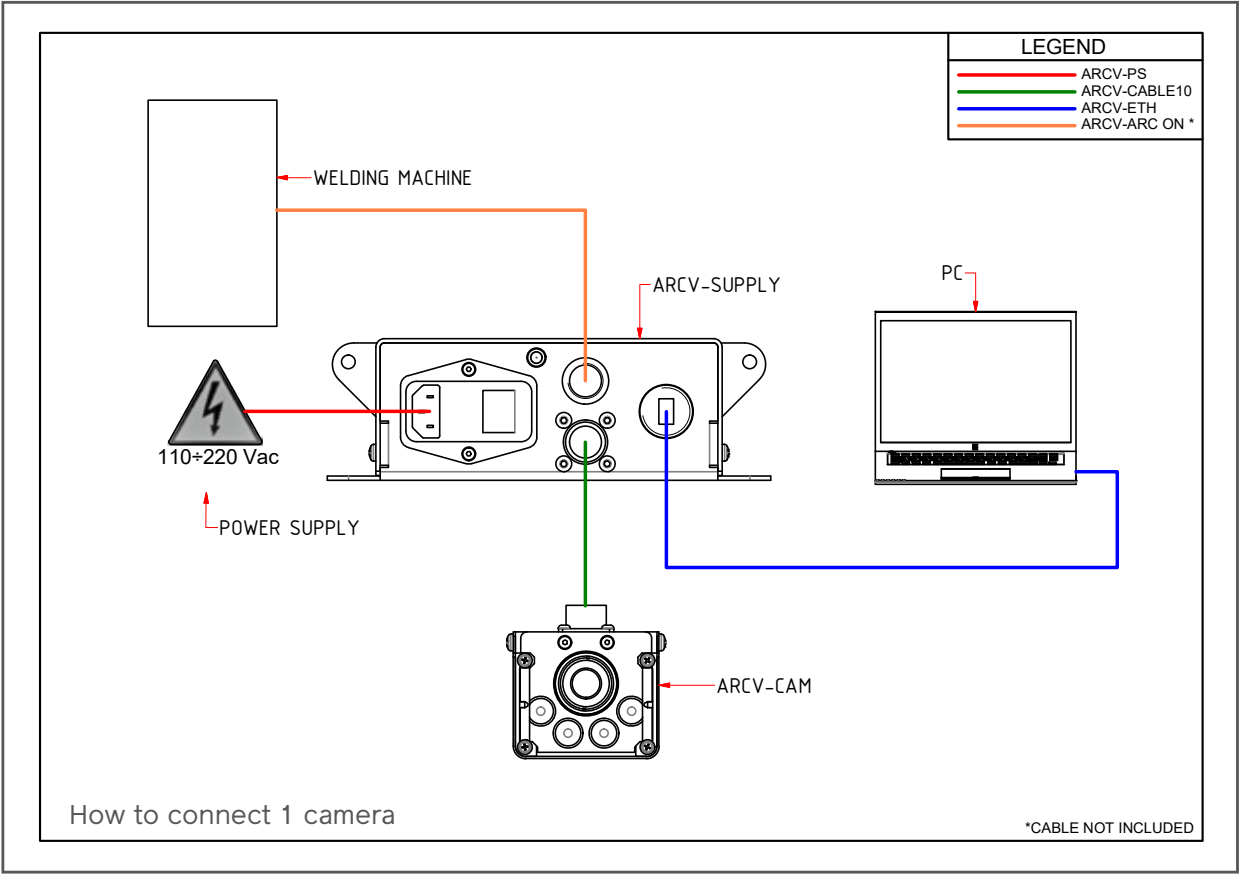


ARCV-SUPPLY

How to connect the elements



ARCV-W-CAM





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