

# Camera Systems

## For Submerged Arc and Open Arc Welding

- Together with a laser or pilot lamp, control the welding process from a convenient location
- The system consists of a camera with built-in crosshair generator to provide continuous and distinct joint scanning
- In combination with the 15 inch flat screen monitor, it becomes a unit for excellent control and joint supervision
- Upon welding, the GMAW camera switches over to view the weld pool, facilitating the supervision of the process
- An optional overview camera produces a picture of the welded joint for immediate weld quality inspection



### Ordering Information

All systems include camera, camera housing, monitor, crosshair generator, camera mounting bracket, work light, work light bracket, necessary cables.

A2/A6 SAW camera with cooling unit.....	0811412880
A2/A6 SAW camera without cooling unit.....	0811412881
SAW compact camera with cooling unit .....	0811413900
SAW compact camera without cooling unit ....	0811413901
SAW compact Basic/Overview camera .....	0811413880
SAW camera system with bracket .....	0809516881
GMAW camera with cooling unit.....	0811414880
GMAW camera without cooling unit.....	0811414881

#### Components

SAW camera.....	0810092880
GMAW camera .....	0811380880
GMAW camera (prepared for cooling).....	0811380881
SAW compact camera .....	0811381880
SAW compact camera (prepared for cooling) .	0811381881
SAW compact Basic/Overview .....	0810517880
Monitor including crosshair generator .....	0811383880

Housing is included with cameras and monitor.



Welding head shown with camera system

### Specifications

Monitor	
Panel type	LCD 15 in. with protective glass
Operating temperature range, °F (°C)	23 to 95 (-5 to 35)

	SAW Camera	GMAW Camera/ SAW Compact camera	SAW Compact camera Basic/Overview
TV standard	PAL/NTSC	PAL/NTSC	PAL/NTSC
Temperature range: Operating, °F (°C) Cooled version, °F (°C) <sup>1</sup>	23 to 122 (-5 to 50) -	14 to 122 (-10 to 50) approx. 572 (300)	- -
Dimensions, LxWxH, in. (mm)	2.4x2.4x4.1 (60x60x105)	5.7x0.9x0.9 (145x24x24)	1x1x5 (25x25x126) + lens
Weight, lbs. (kg)	approx 1 (0.46)	approx 1 (0.46)	approx. 0.35 (0.16)

<sup>1</sup>Water cooling is required.

#### ESAB Welding and Cutting Products

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