

iShot imaging Weld-i[®] 1000

Automated Weld Process Monitoring System



Screen shot from video footage.

Observe Automated Weld Processes in Real Time!

1.0 inch
diameter

iShot Imaging's modular weld-monitoring camera is configured to obtain high resolution video images of virtually any welding process. The anodized aluminum body protects and cools sensor and optics while attenuating EMI. A replaceable spatter shield protects precision optical components from damage. Interchangeable, stackable filters compensate for a wide range of ambient and process lighting conditions. Save resources and time by verifying the quality of automated welds with iShot Imaging's Weld-i 1000 Monitoring System.



Weld-i 1000 Specifications

Camera	1/3 - inch CCD 410K pixels
Resolution	470 HTV lines
Video Format	NTSC [†] or PAL 4:3 aspect ratio
Lens Options	5.5 mm x 50° FOV* 11 mm x 25° FOV [†] 18 mm x 15.5° FOV* 30 mm x 9.4° FOV*
Housing	1 inch diameter 3.3 inches in length
Temperature Rating	120° C / 250° F (gas) 260° C / 500° F (water)
Cable	Anaconda armored
Cable Lengths	2 meter (6.5 - feet)* 3 meter (9.8 - feet)* 5 meter (16.4 - feet) [†] 12 meter (39.3 - feet)* 20 meter (65.6 - feet)* 30 meter (98.4 - feet)*
Illumination	6 - watt Aux lamp

Included Components

Camera Control Unit	Desktop [†] Rack mount* or Dual rack mount*
Power Control	on/off switch
Power Supply	110V/60Hz
Focus	Remote adjustment
Light Intensity	Manual adjustment
Filter	UV yellow spot filter [†] UV yellow filter* Full field dark spot filter* Full field dark filter* or Polarized filter* (manual change)
Spatter Shield	One included [†]

The camera body is also available in stainless steel.

Mounting fixtures with 1/4 - 20 tapped hole.

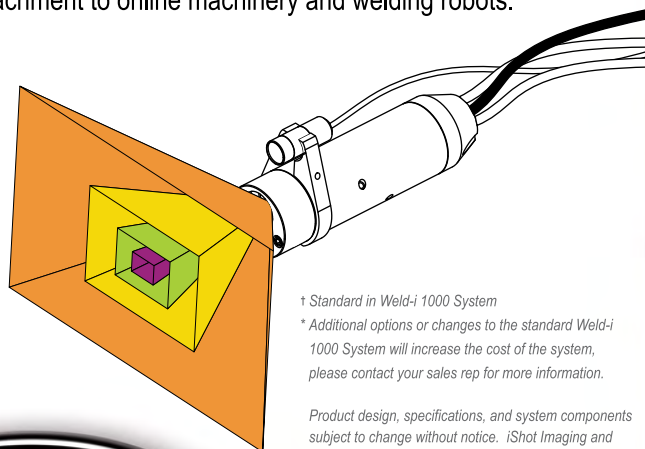


Shown: Camera, Desktop CCU

Weld-i 1000 Features

- Focus and iris adjust remotely, adapting to changing weld conditions.
- Optional air/water cooling protects internal components from high-heat.
- Body, window, and cable tolerate weld spatter, weld fields, and EMI.
- Wide selection of lenses allow virtually any combination of target size and distance.
- Interchangeable filters permit optimum viewing of most welding process.
- High performance 1/3 -inch IT CCD or 1/4 -inch IT CCD imager delivers 470 lines of resolution.
- Flexible mounting accessories enables easy attachment to online machinery and welding robots.

focal length		max aperture ratio	FOV (vert. x hor.)
30 mm		1:6	5.2° x 7°
18 mm		1:3.3	11.6° x 15.5°
11 mm [†]		1:2	18.8° x 24.9°
5.5 mm		1:1.6	38° x 50°



[†] Standard in Weld-i 1000 System

* Additional options or changes to the standard Weld-i 1000 System will increase the cost of the system, please contact your sales rep for more information.

Product design, specifications, and system components subject to change without notice. iShot Imaging and Weld-i are Trademarks of InterTest, Inc. ©2009

