



**Lenox Instrument Company, Inc.**  
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## ***Durable Hot Area Camera Systems***

***Real-Time, High Resolution, Color Video Monitoring and Recording***



### **Why Use **Lenox** Furnace Camera Systems?**

- Designed to be rugged and durable for use in hostile, high-temperature environments.
- Proven reliable cooling system and the highest camera resolution with superior optics.
- Minimal maintenance and operating cost once correctly installed.
- Backed by an industry leading **two year warranty**.
- Flexibility in the choice of viewing angle options.
- **Lenox** know how, expertise and installation/field service.

The **Lenox Hot Area Camera HD II** is designed for safe, real time inspection/monitoring in harsh, extreme heat industrial environments found in foundries, heat treating, steel, glass, cement and paper manufacturing. A rugged, stainless steel housing provides a uniform flow path of cooling water that protects the high-resolution, color CCD video camera and pressurized purge air aids cooling and prevention of dust/deposits forming on the front window/lens. The durable **Hot Area Camera HD II** is capable of operating in temperatures up to 500°F (260°C) with mechanical pinhole viewing or 300°F (149°C) with front window and can be configured with a variety of lens options. Analog RS170 video output is standard with Ethernet output an option. An AC (100-240V, 50/60Hz) Input power connection is provided by a supplied power cord.

**Lenox** offers an optional high-efficiency compressed Air Filter System with mounting plate for removing oil, water and particulates ensuring clean, dry purge air for the camera.

*(Contact **Lenox** for information on other industrial high-temperature CCTV camera systems for remote viewing)*



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HOT AREA CAMERA HD II SYSTEM SPECIFICATIONS	
<b>Model</b>	<b>6900SS-170</b>
<b>Camera Type</b>	<b>1/3" CCD Color Camera</b>
<b>Construction</b>	<b>Water-cooled Stainless Steel enclosure with window purge or through air purge</b>
<b>Max Temperature</b>	<b>300°F (149°C) with Quartz Window - Variable Zoom (standard) 500°F (260°C) with Fixed Lens ("PH" special)</b>
<b>Direction of View</b>	<b>Straight</b>
<b>Field Coverage (see below)</b>	<b>Fixed or Variable Zoom</b>
<b>Length</b>	<b>17" (432 mm)</b>
<b>Diameter</b>	<b>5.5" (139.7 mm)</b>
<b>Cooling Requirements</b>	<b>Good quality, sediment – free water</b>

Hot Area Camera HD II is supplied with the following:

1. SJO power cord for 100-240V, 50/60Hz line power
2. RS170 analog video output

Optional Camera Accessories:

1. Air Filter System with mounting plate (removes oil, water and particulates)
2. Color LCD Video Monitor
3. Digital Video Recorder
4. Ethernet 10/100 Base Output
5. Cradle Mount
6. Pan - Tilt Mount

**Model Number Information:**

**6900SS - 170 X X / XX XX**  
 (Model) (Length) (Filters) (Lens) (Mounting) (Special)

**Model:** 6900SS-170  
**Length:** 17" (432 mm)  
**Filters:** For 6900SS-170 with "PH" special  
 "0" = None, "1", "2", "3", "4" are Neutral Density, "W" is shade 5 green  
**Lenses:** Select Lens Number from Coverage Chart Below  
**Mounting:** "F0" is standard cradle mount  
**Specials:** "EX" for Export (PAL type, 220V)  
 "PH" = Fixed High Resolution Lens modification

CAMERA TYPE AND LENS NUMBER AVAILABILITY		
Camera Type	Lens Number	Coverage (Approx)
6900SS-170 with "PH" Special	3	62°V x 78°H x 95°D
	4	45°V x 60°H x 72°D
	6	34°V x 44°H x 55°D
	Z	45°V x 60°H x 72°D to 9°V x 12°H x 15°D
6900SS-170	V	62°V x 78°H x 95°D to 26°V x 34°H x 43°D