



Lenox Instrument Company, Inc.  
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## **Lenox / Pultz High – Temperature CCTV Furnace Video Camera Systems**



- **Rugged Reliability**
- **Clear Sharp Images**
- **Long-Lasting Performance**
- **Economical**

The **Lenox / Pultz** family of high-temperature video camera systems are designed to be mounted either directly through the wall or flush with the exterior wall of a furnace or other combustion chamber. The stainless steel camera housing employs a steel triple wall laminar flow for efficient water-cooling of the camera and pinhole lens technology to provide clear, real time high-resolution images, enabling operation in hostile environments up to 4250°F (2345°C). An Aluminum water-cooled camera housing enables operation in environments up to 500°F (260°C) with pin hole or 300°F (149°C) with window and are ideal for hot area monitoring.

**Lenox / Pultz** camera systems are widely used by the steel and metals industry in continuous casters, reheat furnaces, continuous annealing, vacuum degassers, molten metal pouring stations, the cement and paper industry in kilns and bark burners and other industries in a variety of hot processes.

*Backed by the expertise and know-how of one of the most trusted names in the field.*



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## Product Specifications

<b>Stainless Steel Camera Enclosure</b>		<b>Aluminum Camera Enclosure</b>
1/3" CCD Color Camera	<b>Camera Type</b>	1/3" CCD Color Camera
Water-cooled 304 Stainless Steel	<b>Construction</b>	Water-cooled aluminum enclosure with or without air purge
4250°F (2345°C) (Standard with Pinhole)	<b>Max Temperature</b>	300°F (149°C) with window (Standard) 500°F (260°C) with PH (Pinhole)
Straight	<b>Direction of View</b>	Straight
Fixed or 5X Zoom	<b>Field Coverage (see below)</b>	Variable Zoom
18" (457mm), 24" (598mm), 31" (762mm)	<b>Length</b>	17" (432mm)
45lb (21kg), 55lb (25kg) and 67lb (30kg)	<b>Weight</b>	12 lb (5.4kg)
6.4" (162mm)	<b>Diameter</b>	5.5" (139mm)
Good quality, sediment – free water	<b>Cooling Requirements</b>	Good quality, sediment – free water

**Model Number Information:** (Example: 6900SC-2406/F0)

**6900 SC - 24 0 6 / XX XX**  
 (Model) (Type) (Length) (Filters) (Lens) (Mounting) (Special)

**Enclosure Types:** SC = Stainless, AC = Aluminum  
**Lengths:** See Specification Chart Above  
**Filters:** (For all "SC" types and for "AC" 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 for AC and SC types  
 SC options only are: "F1" = 8"-150# flange, "F2" = Flat plate flange  
**Specials:** "EX" for Export (PAL type, 220V, SC and AC type.)  
 "PH" = Pinhole modification for AC type.

<b>CAMERA TYPE AND LENS NUMBER AVAILABILITY</b>		
<b>Camera Type</b>	<b>Lens Number</b>	<b>Coverage (Approx)</b>
<b>SC and AC with "PH" Special</b>	<b>3</b>	62°V x 78°H x 95°D
	<b>4</b>	45°V x 60°H x 72°D
	<b>6</b>	34°V x 44°H x 55°D
	<b>Z</b>	45°V x 60°H x 72°D to 9°V x 12°H x 15°D
<b>AC only</b>	<b>V</b>	62°V x 78°H x 95°D to 26°V x 34°H x 43°D