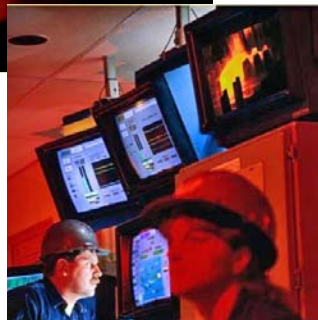




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Furnace Camera Systems For The Steel Industry ***Real-Time, High Resolution, Color Video Monitoring and Recording***



Lenox / Pultz



Why Use **Lenox Furnace Camera Systems?**

- Designed to be rugged and durable for the brutal atmosphere of the steel industry.
- Proven reliable dual 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 penetration lengths and viewing angle options.
- **Lenox** know how, expertise and installation/field service.

The **Lenox / Pultz** family of high-temperature, video furnace 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 PH 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 the PH lens or 300°F (149°C) with window and are ideal for hot area steel process monitoring.

Lenox / Pultz camera systems are widely used by the steel and metals industry in reheat furnaces, vacuum degassers, continuous casters, blast furnaces, electric arc furnaces, tunnel furnaces, continuous annealers, galvannealers, pellet and sintering operations, molten metal pouring stations, and other hot steel processes. (Contact **Lenox** for information on other industrial high-temperature CCTV camera systems for remote viewing)



Furnace Camera System Specifications

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

CAMERA TYPE AND LENS NUMBER AVAILABILITY		
Camera Type	Lens Number	Coverage (Approx)
SC and AC 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
AC only	V	62°V x 78°H x 95°D to 26°V x 34°H x 43°D