

TE SERIES

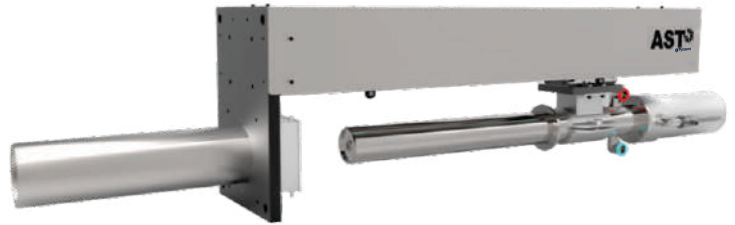
Key Features

- Real-time monitoring for quickly identify hot spot, temperature gradients and other thermal anomalies.
- Wide temperature measurement range 700 to 1800°C.
- Multiple temperature trending capability.
- Relay alarm output for DCS.
- Water-cooled lens tube, vortex-cooled camera chamber.
- Configurable ROI's: point, line, circle, rectangle.
- Alarms on ROI.
- Visible and Thermal Live View with Temperature.
- Switchable : Thermal / Visible View.
- Insertion / Retraction control via Software.
- On Screen Safety Alarms : Air, Water, Over temperature.

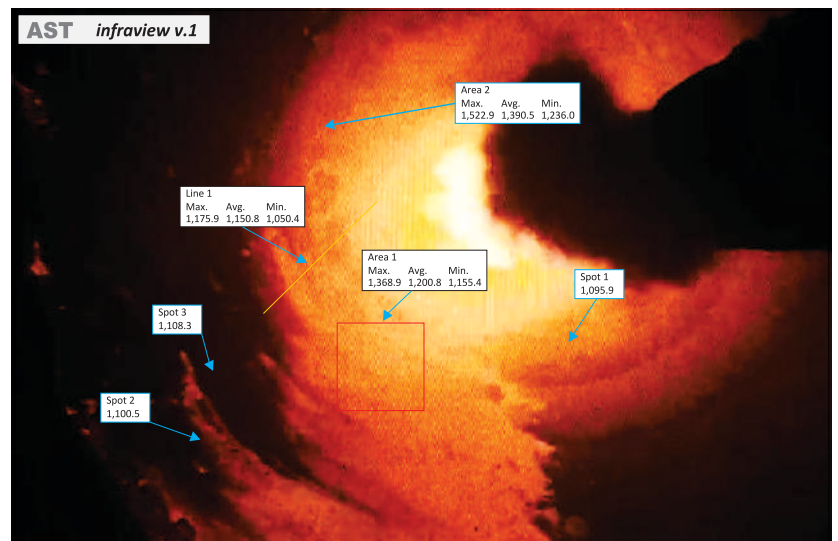
Applications

- Steel Industry
- Cement Industry
- Glass Industry
- Power Industry
- Waste burning Industry
- Paper and pulp Industry
- Petrochemical and refining Industry
- Incinerators
- Research and development

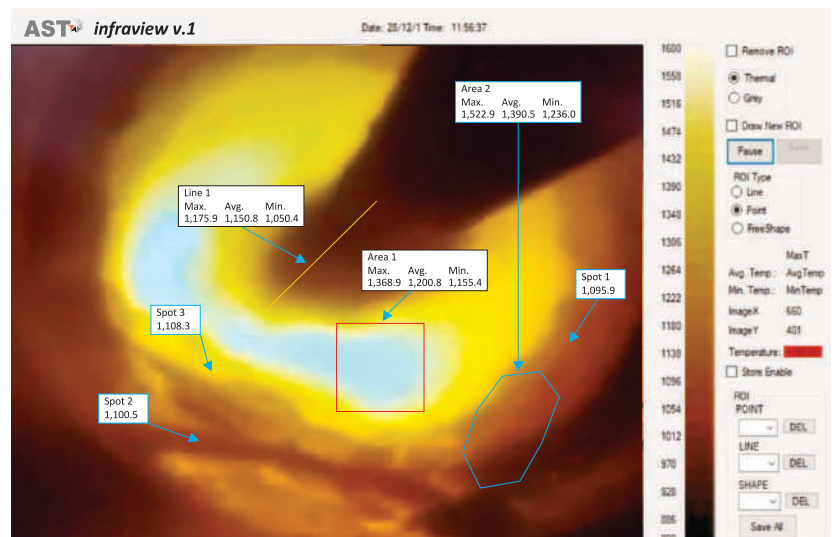
FURNACE MONITORING VISIBLE THERMAL IMAGING CAMERA SYSTEM



TE Series high temperature furnace monitoring visible thermal imaging camera system is designed to monitor high temperature environments and detect hotspots, temperature gradients and other thermal anomalies in real time. The system uses a high resolution camera and advanced software to capture and analyze temperature data from the furnace providing operators with critical information about the condition of the furnace and its components.



Visible View of TE Series Camera



Thermal View of TE Series Camera

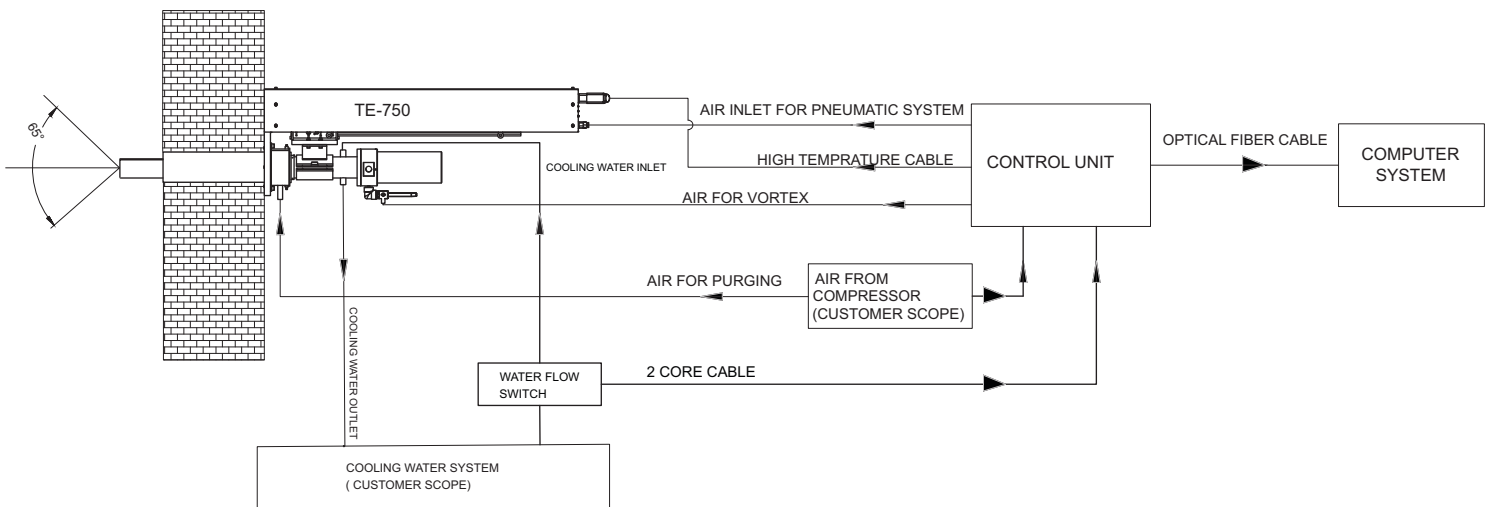
Specifications

Technical	
Environment	up to 2000°C
Cooling system	Vortex AIR & Water cooling
Transmission device	Pneumatic AIR cylinder
Power	AC 220V/110V
Hole Diameter	100mm
Requirement of Compressed Air	
Pressure	7 ~ 10 kg/cm ²
Volume Flow	50m ³ /h
Temperature	<35°C
Quality	Dust, Oil& Moisture free clean air
Requirement of Cooling Water	
Inlet Pressure	2 ~ 5 kg/cm ²
Volume Flow	0.2-1m ³ /h
Quality	DM Water

High Resolution Camera Specification	
Temperature	700°C to 1800°C
Resolution	1920 X1080
Accuracy	±0.3% of measure value ±1°C
Lens	C/CS Mount
Video Out	Ethernet RJ-45 (10/100Base-T)
Power	DC 12V (±25%), AC 24V (±25%), PoE (802.3af)
Power Consumption	<9.2W
Casing	Metal
Pinhole lens	
Lens length	820 mm/ 1080 mm
Focal Length	Verifocal Lens: 3.6 mm- 8 mm
Angle of view	Straight view: 0°/ Elbow view: 60°
Field of view	Horizontal 65°, vertical 56°, Diagonal 85°
Focus and IRIS	Manual
Mount	CS Mount

Our Models

Specifications	TE-750	TE-750/OV	TE-1100	TE-1100/OV
Wall thickness	400mm	400mm	600mm	600mm
Lens angle	Straight	Elbow (60°)	Straight	Elbow (60°)
Retraction Length	1400mm	1400mm	1800mm	1800mm
Lens tube length	820mm	820mm	1080mm	1080mm



Block Diagram of camera system

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