



BATcam

High Temperature Precision Imaging System

BOILER MONITORING SOLUTION

Engineered to provide ultra-crisp images in harsh boiler conditions.

THE APPLICATION

Narrow Band Infrared Imager for extreme temperature views

ACHIEVEMENTS

Higher sensitivity over previous generations. Onboard processing. Flexible communication protocols for ease of integrations.

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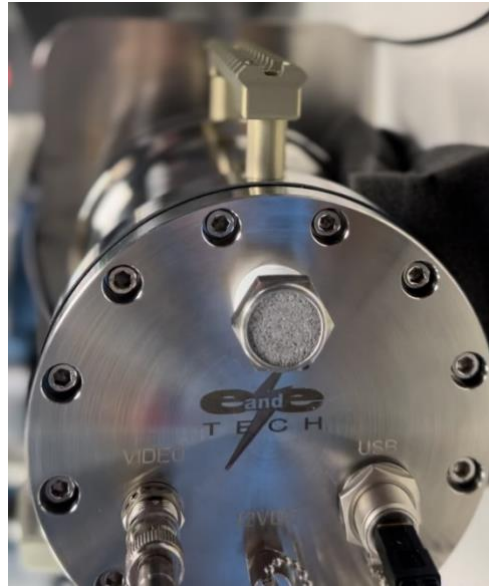
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Capturing Images in furnaces, kilns, and boilers during operation requires a highly specialized combination of optics and camera. These unique and harsh environments make it challenging for visible light wave length cameras to capture usable images. Instead, a camera capable of detecting radiant energy is utilized.

 High Precision Optics

 Hardened Electronics

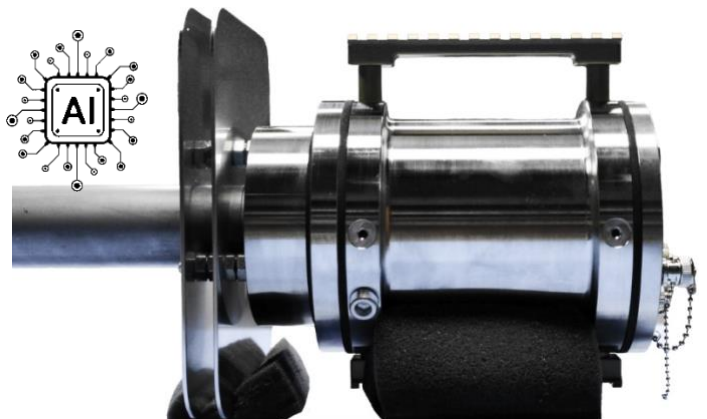
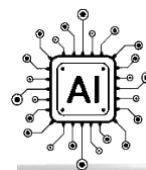
 Multiple communication formats available

 Factory Calibrated

Infrared energy (IR light), emanating from heat, proves ideal as it remains unaffected by smoke, steam, or fog. IR is optimal for visibility into furnace, kiln, and boiler interior's.

The BATcam line of imaging systems utilizes IR light and proprietary optics to deliver best available live images of furnace interiors. Lens lengths are available up to 72", in 55, 75, and 110 degree DFoV. Optional features include temperature readings and AI.

Optional AI Capabilities





BATcam



Specs

Camera	Specification
Format	0.3 MegaPixels
Spectral Response	3.9µm
Frame Rate	30 fps or 60 fps
Video Output	NTSC/Pal, Optional Gigabit Ethernet
Controls	USB Communication, UART
NEDT	<40mk
Power	1.5 Watt, 12VDC, or 5vdc over USB
Borescope	Specification
Length	2' (63cm), 4' (1.2m), 6' (1.8m), Custom Lengts Avail
Diameter	1.65" (42mm)
Field of View (DFOV)	55°, *75° or 110°.
Relative Illumination	81%
Optical F/#	3.5
Cooling	Compressed air, 1/2" NPT input. 1-45 Scfm
System	Specification
Temperature Imaged	100 to +1900° C
Enclosure	316 Stainless Steel

TECHNICAL
SUPPORT

ZERO DOWNTIME

TURNKEY
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