

IGNIS VISIONX

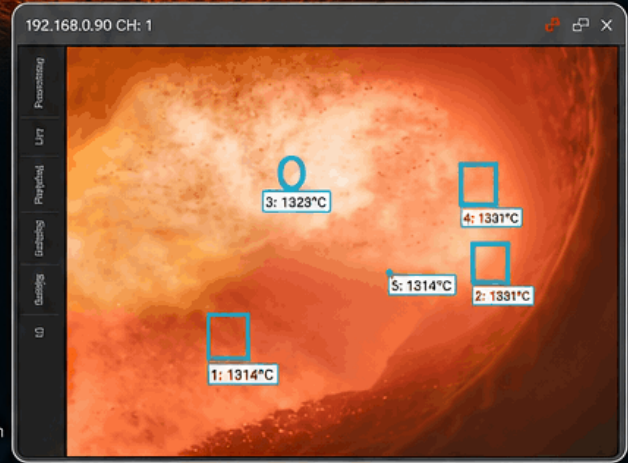
ADVANCED THERMAL IMAGING SYSTEM
FOR HIGH-TEMPERATURE PROCESSES

IGNIS VisionX is built upon the powerful probe infrastructure of IGNIS Probe and combines advanced thermal imaging, temperature measurement, analytics software, and data management capabilities.

Provides uninterrupted monitoring and intelligent process analysis in high-temperature applications up to **1600°C**.



1600°C
UP TO
OPERATING
TEMPERATURE



**HIGH-TEMPERATURE
RESISTANCE**
Up to 1600°C
operation.



**ENDOSCOPIC
PROBE DESIGN**
Access hard-to-reach
areas with ease.



**HIGH-DEFINITION
IMAGING**
HD, 2MP, and 4MP
options.



**TEMPERATURE
MEASUREMENT &
ANALYSIS**
Accurate measurement
and advanced analysis.



**DATA LOGGING &
REPORTING**
Record, report, and
archive process data.



**SYSTEM
INTEGRATION**
Seamless integration
with SCADA, DCS,
and automation
systems.

KEY ADVANTAGES



HIGH-TEMPERATURE RESISTANCE
Provides reliable and uninterrupted
monitoring in demanding environments
up to 1600°C.



ADVANCED THERMAL IMAGING
Supports thermal imaging and
temperature measurement across
the Visible / NIR / IR spectrum.



SUPERIOR IMAGE QUALITY
HD, 2MP, and 4MP imaging options
deliver exceptional detail and
process visibility.



ANALYTICS & ALARM MANAGEMENT
Enhances operational safety through
temperature analysis, alarm management,
and rapid response capabilities.



DATA LOGGING & REPORTING
Supports process optimization through
recording, reporting, and archiving of
operational data.



EASY SYSTEM INTEGRATION
Integrates seamlessly with Ethernet,
wireless networks, SCADA, DCS, and
automation infrastructures.

TECHNICAL SPECIFICATIONS

FEATURE	IGNIS VISIONX
 Spectral Range	Visible / NIR / IR
 Resolution	HD (NIR) or IR 640x480
 Frame Rate	50–60 Hz (NIR), IR 9 Hz
 Lens Length	30 cm – 165 cm
 Lens Types	Straight and Angled
 Viewing Angle	65°, 90°, 110° (Horizontal)
 Cooling	Air Only (Water Optional)
 Maximum Operating Temperature	1600°C
 Temperature Measurement Range	Up to 2000°C
 Software	Available
 Data Transmission	Ethernet, Wireless

APPLICATIONS



Iron & Steel Industry



Glass Industry



Cement Plants



Mining Facilities



Industrial Furnaces



Boiler Systems



Recycling Plants



Pharmaceutical &
Food Industries



KEEP YOUR CRITICAL PROCESSES UNDER CONTROL

Designed for reliable operation in high-temperature, dusty, smoky, and harsh industrial environments, IGNIS VisionX improves process safety, enhances operational efficiency, and provides advanced thermal monitoring capabilities.



SAFE

Ensures uninterrupted
monitoring and
reduces operational
risks in harsh
environments.



DURABLE

Robust industrial
design built for
long-term
performance in
heavy-duty
applications.



EFFICIENT

Improves process
monitoring and
control, increasing
operational
productivity.



COST-EFFECTIVE

Reduces maintenance
requirements and
lowers total
operating costs.

