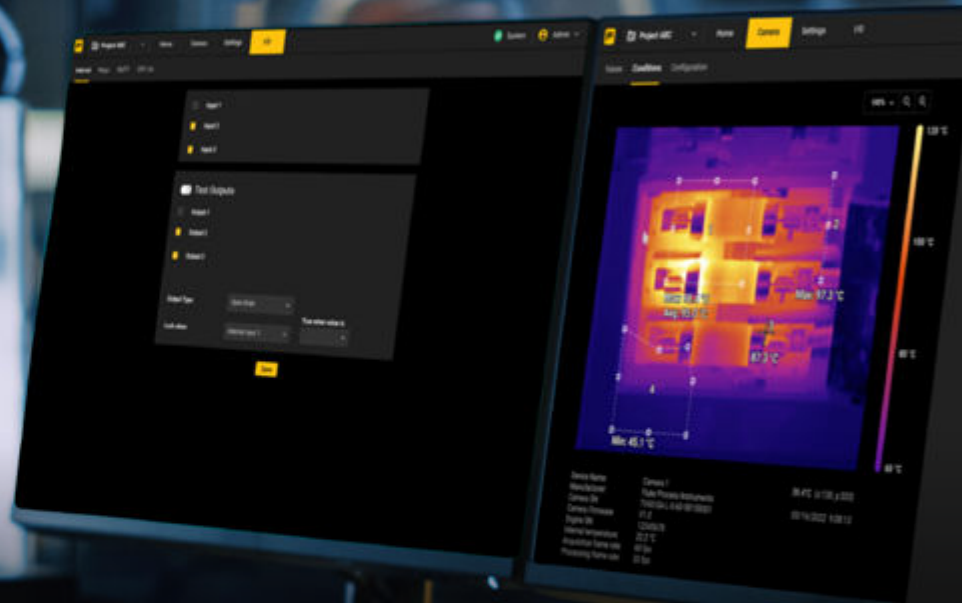


ThermoView® TV30

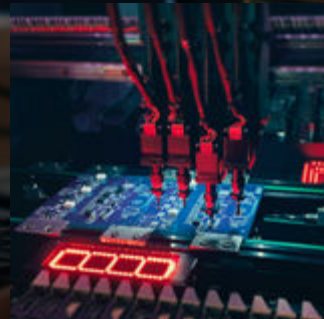
Thermal imaging solutions for industrial applications



**TEMPERATURE
MONITORING**



**REMOTE TEMPERATURE
ALARMING**



**REAL-TIME
INSPECTION**



**CRITICAL ASSET
MONITORING**

Advanced thermal imaging for demanding industrial applications and automation

The **Thermoview TV30 Thermal Imager** simplifies industrial process monitoring. Easily track temperatures in harsh conditions and spot issues swiftly with AOIs and customization. The TV30-series comes with two camera options. TV30-SA camera models integrate without a PC, allowing you to monitor your process and access onboard analytics of the fixed thermal imager through a web browser. The TV30-GE models open up a world of possibilities for more specialized applications with their true GigE Vision interface.



Overview of Standalone and GigE Vision camera features

	Customizable Alerts	Supported protocols	Inputs/Outputs	Areas of Interest	User interface	Trending	Archiving
TV30-SA	Digital Output	OPC UA, MQTT, DHCP, mDNS (Bonjour)	3 inputs / 3 outputs (additional remote I/O with Wago)	32	Web Interface	None	None
TV30-GE and ThermoView Software	Digital Output, Email	EthernetIP, Modbus, IEC-61850	Unlimited remote I/O with Wago	Unlimited	PC Based software	AOIs	Images, AOIs

Contact sales for more information on which model would best suit your application.

How can TV30 help you with your temperature monitoring?



Avoid costly downtime

- The TV30 identifies defects and can alert you when any anomalies are detected.
- Continuous 24/7 monitoring



Reduced installation cost and space savings

- The fixed thermal imager's small footprint allows for easier installation
- Multiple fieldbus options simplify integration with your existing process controllers and external devices.



No additional software required

- TV30-SA: An accessible, standalone thermal imaging solution with onboard analytics and remote setup via web browser.
- TV30-GE with ThermoView Software for enhanced inspection capabilities: Ideal for complex tasks.



Designed for the toughest conditions

- Rugged and reliable IP67 housing is resilient and built to last
- With an air purge, water-cooling jacket, and other accessories available, you can be sure your equipment will stand up to whatever is thrown at it.

Powerful networking and I/O capabilities to control your process

Standalone (SA) camera



Powerful and user friendly TV30-SA camera:

With a variety of supported protocols and I/O options, end users can easily install the TV30-SA camera making a direct connection to the factory control systems.



Agile observability:

When analog outputs or additional I/O is needed the TV30-SA camera directly connects to external I/O, allowing users to define multiple Areas of Interest (AOIs) with unique parameters and alerts, enhancing automated monitoring, observability, and security.



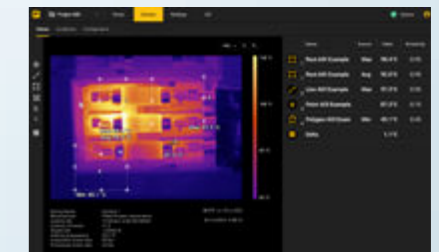
Seamless integration:

TV30-SA seamlessly integrates with plant-level automation systems through a variety of supported protocols, Power over Ethernet, and on board digital I/O modules. Its robust IP67-rated housing suits industrial environments, ensuring long-term reliability.



Automated alarming:

TV30-SA cameras are edge-based with customizable alerts for anomaly detection, eliminating the need for constant manual monitoring in harsh environments.



The TV30SA offers remote accessibility through a web browser, enabling users to create multiple AOIs (Areas of Interest) within a single camera unit.

GigE camera and ThermoView Software



High-Performance TV30-GE Camera:

Fully compliant GigE cameras offer flexibility for integrators and OEMs, enabling software development without SDKs. TV30-GE cameras easily integrate with ThermoView software.



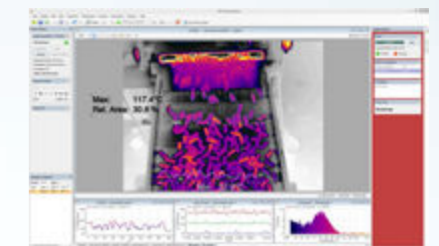
Control:

Combine TV30-GE thermal imagers and ThermoView software for continuous monitoring and alarms. Utilize DAQ modules for temperature event detection. Manual or automated image and AOI data archiving ensures process traceability.



Visualize:

Use your software or ThermoView. ThermoView and GigE Vision can stream thermal images at up to 60 frames per second. Analyze temperature data with various software tools, allowing in-depth analysis. Offline analysis tools such as data archiving and image playback offer excellent diagnostic capabilities.



ThermoView software for GigE models for factory automation, process inspection, and process monitoring applications

Applications

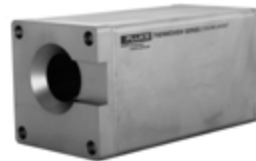
Temperature monitoring finds diverse applications across industries. It plays a pivotal role in manufacturing and industrial processes by ensuring quality control, equipment health, and material handling through continuous temperature tracking.

- Temperature monitoring
- Critical asset monitoring
- Press hardening
- Brake testing
- Lime kiln shell
- Metal spin forming
- Waste incinerator
- Boiler monitoring
- Metals:
 - Cobble detection
 - Electric arc furnace shell monitoring
 - Slab crack detection
 - Tundish spout monitoring.



Highlights

- Wide range of temperatures: -10 to 1300 °C (14 to 2372 °F), auto range scaling
- Image resolution: 320 x 240 (76,800 pixels) or 640 x 480 (307,200 pixels)
- Motorized remote focus
- Multiple lens options available
- LAN/Ethernet with PoE for communication with the thermal imager to provide access
- Operating temperature: -10 to 50 °C (14 to 122 °F)
- Storage temperature: -20 to 70 °C (-4 to 158 °F)
- Air purge and accessories available



Water cooling enclosure with air purge collar



Outdoor enclosure

The Fluke Process Instruments Guarantee

The ThermoView TV30 thermal imager is supported by a 2 year warranty. With a network of trained representatives and agents in over one hundred countries and offices located in the U.S., Germany and China, we provide local service and support.

Fluke Process Instruments

www.flukeprocessinstruments.com

© 2023 Fluke Process Instruments
Specifications subject to change without notice.
08/2023 6014037A-EN

These products are controlled under ECCN 6A003 and an export license is needed for certain destinations. Please see RS1 controls for licensing requirements.