Infra VIEW

InfraView is a windows based thermal imaging software for industrial applications off the shelf. It provide high-speed real time data acquisition from thermal camerascmanufactured by AccuOpt, which enables viewing, analysis and storage of thermal data captured by AccuOpt's thermal imaging infrared cameras.

Accuopt's InfraView software can be configured / customized to cater to application / solution requirements. This real time software allows simple and fast parameterization for documentation of the temperature data for optimizing process control.

InfraView software allows you to stream thermal video on a PC, record thermal video, draw ROI (Region of Interest) in multiple shapes and varied sizes. It allows computed temperatures to be sent out via I/O card which in turn can be connected to PLCs.

KEY FEATURES OF INFRAVIEW SOFTWARE:

Region of Interest: Multiple types of ROI including point, line, and area with min./max./avg. temperature display. Any of these ROI can be selected which will be used for Alarm, I/O Module or to push to OPC server (Optional).

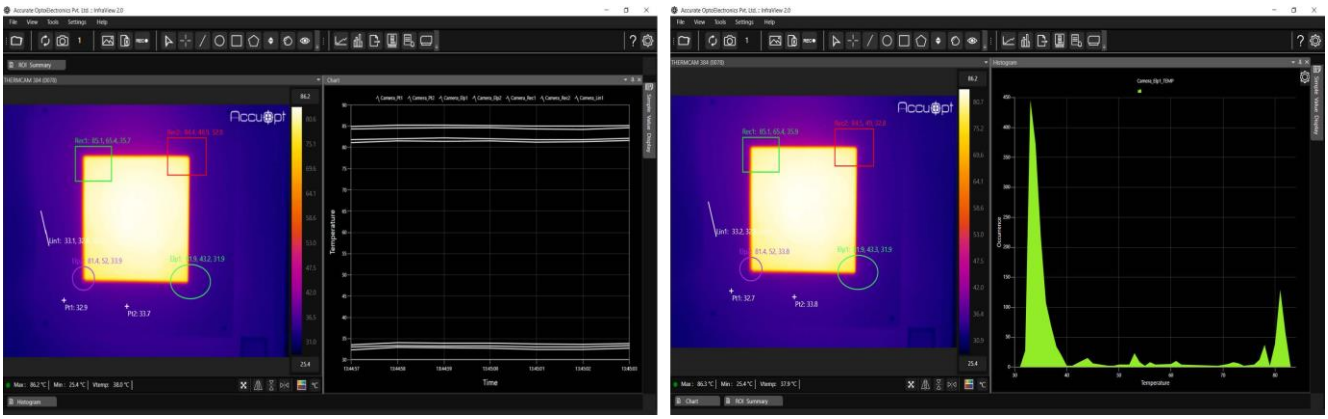
Temperature display on mouse over: It is a feature which can be used to see temperature of any pixel using mouse over.

Colour palettes: Includes 9 different colour palates according to user application.

Multiple Camera Connections: User can connect up to 8 thermal (or Visual camera) cameras in one software.

Alarm Generation: Critical and threshold alarm generation for entire or ROI based on minimum, maximum or average temperature.

Charting and Histograms: The AccuOpt InfraView software allows users to create charts and histograms that display the relationship between temperature and time in the stream. This feature enables users to analyse and visualise temperature data over a specific period.



Line charts and Histogram for data analysis

Image Recording: The software allows users to capture snapshots in normal JPG format. Additionally, it provides the capability to create a "radiographic image" that visualises the temperature of the captured image. This feature enables users to see the temperature distribution within the image.

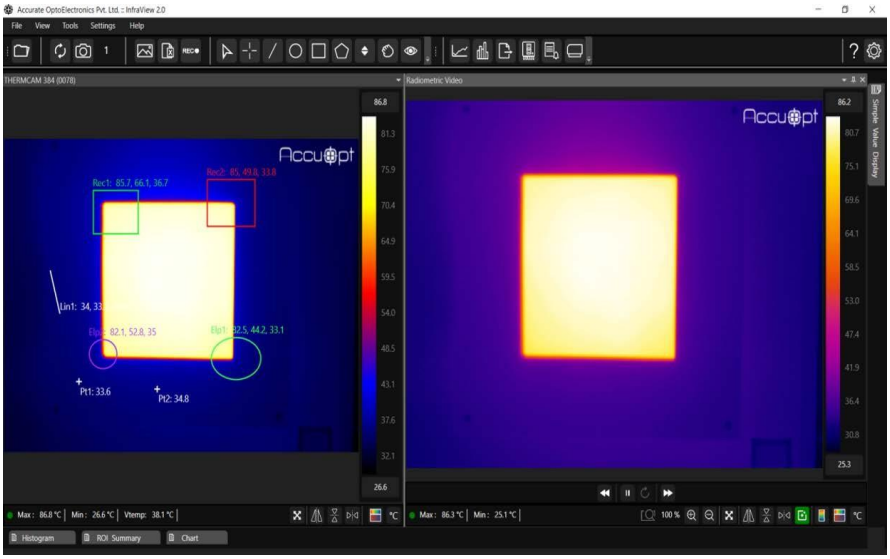
Database and Data Export: Saves the data from the ROI (Region of Interest) Summary, Chart, and Histogram in a database. Users have the option to export this data into Excel file formats. This allows users to further analyse the temperature data over a specific period using external tools or perform custom data processing.

Video Recording: The software allows users to record image data in the form of videos. The recorded videos can be saved in both MP4 and RAW formats. This feature enables users to capture and store a sequence of thermal images in video format.

SMS/Email Alerts: The software is designed to send SMS or email notifications to the operator. This feature ensures that the operator can receive important updates, alarms, or notifications even when they are not physically present at the location.

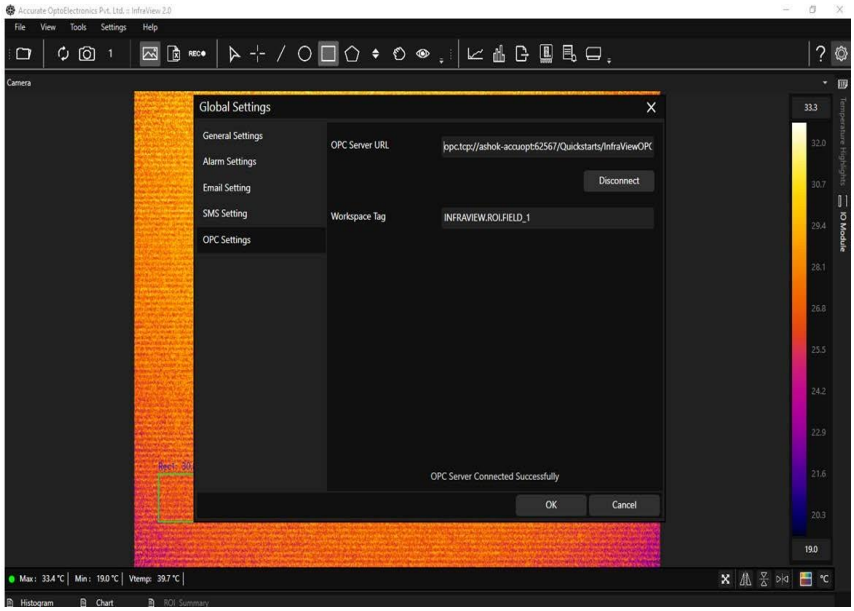
I/O Integration: Analog and digital output module via I/O module integration.

Playback Option: The software provides a playback option, allowing users to access previously saved videos. Users can review and analyse the recorded videos, which can be beneficial for reviewing past processes or conducting further analysis of the thermal imaging data.



Playback option for future analysis

OPC/UA Server: AccuOpt InfraView has inbuilt OPC UA Client feature. AccuOpt also provides a small OPC UA Server (bundled with InfraView 2.0). The OPC UA server feature in AccuOpt InfraView enables the software to act as a server that communicates using the OPC UA protocol. Host DCS System can get realtime temperature DATA from this OPC UA Server which is mapped to ROIs drawn on InfraView 2.0. It facilitates the exchange of real-time data between the thermal imaging system and other industrial automation systems, such as PLC SCADA and HMI applications.



OPC/UA Integration

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