VISIONAERY

Automated Flare Monitoring on Axis Communications ARTPEC-8 Cameras

Run the VisionAery Flare Monitoring Solution Directly on any Axis Communications ARTPEC-8 Camera for immediate and automated monitoring of your flares.

VisionAery Flare Monitoring Use Cases

Automated Black Smoke Mitigation

Use the opacity score and the grayscale score data of the smoke coming from the flare to automate flare smoke mitigation features.

Example: You can convert the MQTT data of the opacity of the smoke into a 4-20ma signal. You can then send that signal to the flare stack and correlate the value of the signal to the percentage of blower speeds, steam injection, etc. This is a completely automated way to reduce black smoke emissions from your flares.

Automated Compliance

Use the AI monitoring features and data history to help with compliance requirements regarding flares.

Example: Use the VisionAery Flare Monitoring solution to run automated method 22 tests by scheduling or requesting a smoke frequency report of your flare. The system will record all of the necessary data needed to fill out a method 22 report and then send you that data in a PDF document.

Custom Intelligent Alerts

Use the custom alerting features to create intelligent notifications, ensuring you are alerted about the specific data you want to monitor.

Example: Some regulators require that you monitor your flares within 2-hour windows and report when smoke frequency is above the threshold within that window. Use our smart timers and smoke frequency tool to automate alerts when you have reached a black smoke percentage within the set sliding timeframe.

Drilling and Completions

Use the VisionAery Flare Monitoring solution to automate flare monitoring requirements for fracking and freshly drilled sites.

Example: Drilling and completions teams must maintain a 98% destruction efficiency rate. They also must watch for the pilot light and record when it is off. With VisionAery Flare Monitoring, you can automate flare efficiency tracking, maintain records, reduce black smoke output, and generate reports.

Key Features

Raw Data Collection
- Flare RGB Color
- Flare Size
- Smoke Grayscale Color
- Smoke Size
- Smoke Opacity

Flare Data Correlation
- Smoke Frequency
- Intelligent Alerts
- Automated Reports
- Automated Flare Tests
- Data Historization
- Flare Data Logs

System Features
- No Cloud/Internet Needed
- Completely Edge Based
- Runs on Camera
- No Recurring License Fee
- Easy Data Integration
- Convert to Modbus TCP
- Easy Installation/Set-Up
- No Site Training Needed
- C1D2 Options
- Runs on ARTPEC-8
- Day and Night Monitoring
- 3 Years of Built in Support