

PAM Goes Thermal: Viper Imaging and Aquanta Vision Partner to Extend Gas Emissions Detection to Thermal Cameras

PAM opens a new possibility for remote monitoring of gas leaks with thermal cameras: automated detection and visualization of leaks to alert operators.

HOUSTON, TX, UNITED STATES, October 6, 2026 /EINPresswire.com/ -- Viper Imaging and Aquanta Vision today announced a commercial partnership to bring Aquanta Vision's PAM (Pixel Analysis Mode) to Viper Imaging's continuous remote monitoring solutions using thermal cameras at oil and gas and other industrial facilities.

The partnership marks the first expansion of PAM beyond OGI cameras and comes on the heels of Viper Imaging's testing of PAM with thermal cameras to automate detection and visualization of gas leaks and emissions and alert facility operators.

PAM is a tiny, physics-based app that analyzes thermal signals at the individual pixel level. Originally developed to make methane leaks much harder to miss, PAM is commercially available for OGI cameras.

"We are excited to integrate the PAM application from Aquanta Vision into our ViperVision software platform. Use of this analytical application allows us to confidently identify gas leaks and alert our customers when one occurs. Due to its scalability, we are able to deploy this on a greater variety of applications including refrigerant, hydrocarbon and other critical gas installations," said Andy Beck, VP of Business Development for Viper Imaging.

Thermal cameras are installed at critical infrastructure across several industries worldwide, including oil and gas. They enable continuous remote monitoring of equipment, operating conditions, security and safety. They are not specifically designed for gas leak detection or gas emissions monitoring.

"We were introduced to Viper Imaging by our partners at Sierra Olympia," said Babur Ozden, Founder and CEO of Aquanta Vision. "The Viper team then explored whether PAM could extend the use of thermal cameras to detecting and visualizing gas leaks and emissions events and alerting operators. The results they saw were highly encouraging. Given the widespread use of thermal cameras for industrial remote monitoring worldwide, PAM could open a significant new opportunity."

Under the partnership, Viper Imaging will initially integrate PAM into its fixed-mount thermal monitoring solutions using FLIR A-Series thermal cameras, followed by solutions using Sierra Olympia OGI cores and other imaging modules. The use of a variety of sensors enables a more customized solution for each customer. PAM is being launched as part of Viper's newly updated ViperVision IQ software suite.

Together with this partnership, Aquanta Vision's partners now bring PAM to all three principal camera configurations used around oil and gas facilities: handheld, drone-mounted and fixed-mount—and, for the first time, beyond OGI cameras themselves.

Aquanta Vision's PAM app makes finding methane and other gas leaks easy — wherever OGI, and now thermal, cameras go.

About Viper Imaging

Founded in 2014 by Andy Beck and Rich Shannon, Viper Imaging is a leading supplier of thermal imaging systems and industrial process monitoring equipment. Acquired in 2023 by Systems With Intelligence, a global provider of electric utility monitoring solutions, Viper serves metals, oil and gas, energy, and other heavy industries, with installations at more than 700 job sites across 21 countries. Viper's systems and software integrate with industrial control systems to deliver alarms, trends, and data that support safer, more efficient operations. Backed by extensive industrial process and thermal monitoring expertise, Viper is headquartered in Birmingham, Alabama, with a global network of distributors and partners.

www.viperimaging.com

About Aquanta Vision

Founded in 2023, Aquanta Vision develops apps that leverage thermal imaging technologies to simplify detection of methane and other gases. The company's apps are based on a patented, physics-based thermal signal-processing algorithm and are compatible with a range of OGI and thermal cameras. The apps enable industrial operators and help field technicians to rapidly identify leaks and emissions for repairs and enhanced operational safety. Aquanta Vision graduated from Chevron Studio, Shell GameChanger, Rose Rock Bridge and Innosphere industrial tech accelerator programs and is a recipient of multiple grants and awards. The company's investors include Chevron Technology Ventures, Marathon Petroleum Corporation, EIC Rose Rock, Ecosphere Ventures, and Odyssey Energy Advisors.

www.aquantavision.com

Babur Ozden

Aquanta Vision Technologies Inc

contact@aquanta.vision

Visit us on social media:

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/946896037>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.