



New AI-Supported Gas Plume Colorization Feature for Flir OGI Cameras

The New Feature, PAM - Pixel Analysis Mode - Provides Advanced Methane Leak Detection Option for Flir G-Series

HOUSTON, TX, UNITED STATES, September 14, 2026 /EINPresswire.com/ -- Aquanta Vision, in collaboration with Teledyne FLIR, today announced a digital product integration and business partnership to advance detection of methane and other hydrocarbon gases with optical gas imaging (OGI) cameras.

Aquanta Vision's new AI-supported digital technology analyzes infrared data from the OGI camera to colorize gas plumes live on the display screen, simplifying the task of identifying methane leaks. This technology, dubbed Pixel Analysis Mode, or PAM for short, augments the infrared image by applying advanced intelligence through a tiny app that runs on the OGI camera.

PAM joins Teledyne Flir's patented High Sensitivity Mode (HSM) as detection tools designed to enhance the optical gas image in challenging conditions, or when inspecting small leaks.

"Aquanta Vision's new PAM feature colorizes the plume of leaking equipment, expanding detection options available within Flir OGI technology," said Craig O'Neill, Director of Product and Market Strategy for Teledyne Flir's Optical Gas Imaging product portfolio, "In collaboration with Aquanta's team, this capability is now available real-time in Flir OGI cameras, making OGI inspections more efficient than ever before."

"By partnering with Teledyne Flir, we aim to support its customers in their inspection and repair operations through the aid of scalable digital tools," said Babur Ozden, CEO and Founder of Aquanta Vision, "PAM is physics-based intelligence at the industrial edge. Its use helps anyone become good at finding gas leaks in optical imaging."

Initially, PAM will be available as an option on Flir Gx320, Gx620, and G620 models purchased worldwide after October 2026. For equivalent models purchased earlier, PAM will be available via a Flir upgrade package.

About Teledyne FLIR

Teledyne FLIR, a Teledyne Technologies company, is a world leader in intelligent sensing

solutions for industrial applications with thousands of employees worldwide. Founded in 1978 and acquired by Teledyne in 2021, the company creates advanced technologies to help professionals make better, faster decisions that save lives and livelihoods. For more information, please visit www.flir.com or follow @flir.

About Aquanta Vision

Founded in 2023, Aquanta Vision develops apps that leverage optical gas imaging (OGI) 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 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. Company's investors include Chevron Technology Ventures, Marathon Petroleum Corporation, EIC Rose Rock, Ecosphere Ventures, and Odyssey Energy Advisors. Learn more at www.aquantavision.com.

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