

FIELD-READY

VULCAN SX + OGI Scout

Cover the route. Catch the leak.



Optical gas imaging for leak detection and LDAR compliance — methane, propane, butane, and 20+ hydrocarbons.

- **A complete inspection system, not just a sensor on a drone.**

Vision Aerial OGI Scout integrates everything you need into a single mission-ready package: **Ventus OGI sensor** from Sierra Olympia with GEM mode, mounted via fully integrated gimbal, **Pixel Analysis Mode (PAM) detection software** (optional) from Aquanta Vision, and **MarkPoint field software**.



- **Steady in the field, not just in specs.**

The Vulcan SX tricopter holds its line in wind conditions that make quadcopters drift — so your sensor sees what it needs to, not what the wind allows.

- **Visualize the plume, not the background.**

Two modes so you can find and focus on what matters — Gas Enhancement Mode (GEM) from Sierra Olympia that colorizes the gas leak by analyzing video stream frame by frame, or Pixel Analysis Mode (PAM) from Aquanta Vision that colorizes the gas leak using patented detection which analyses pixel by pixel.

- **Document in the field, not after the fact.**

MarkPoint captures notes, photos, video, and GPS coordinates tied to the exact leak location — so your report is ready when you land, not after hours of post-processing.



Blue/Green UAS
Pending Cert

Made in Montana
148 Village Center Ln, Bozeman, MT

Schedule a demo: visionaerial.com/demo-vulcan
(406) 333-1795 • info@visionaerial.com • visionaerial.com

[42 min]

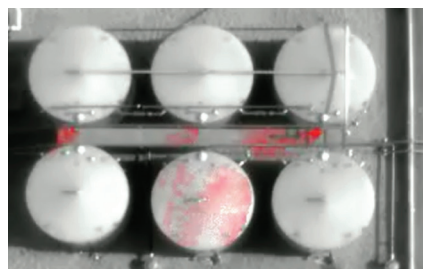
Continuous OGI inspection pass on a single charge

Vulcan SX

Flight Time / Endurance	65 min no payload, 42 min or 57 km with OGI Scout flying hover/cruise optimized mission profile
Extended Flight Kit	2 min smart battery swap, continuous operations
Operating Temp	-15°F to 115°F
Wind Resistance	14 m/s (32 mph)
Weather Rating	IP55
Max Payload	3.0 kg
GNSS	RTK-capable, dual-band L1/L5, built in
Collision Avoidance	Forward radar, active in flight
Terrain Following	Active
EMI/RFI	Armored design
Mission Software	Flight Deck — no subscription

Vision Aerial OGI Scout

Payload / Camera Weight	1.20 kg / 580 g
Sensor	Sierra Olympia Ventus OGI, HOT MWIR with GEM mode
Resolution	640 × 512
NETD	≤50 mK
Field of View	21.7°
Digital Zoom	Up to 8×
Gimbal	Vision Aerial, fully integrated
Detection Software (optional)	Pixel Analysis Mode (PAM) from Aquanta Vision
Field Software	Vision Aerial MarkPoint



Workflow

01 Plan



Plan your mission using Vision Aerial Flight Deck. Select from pre-planned mission profiles or create your own.

02 Fly



Fly Vulcan SX with the OGI Scout — Ventus OGI sensor + PAM (Pixel Analysis Mode) software (optional) + MarkPoint field software.

03 Mark



Mark and document events as you go, right from the GCS. Add mission notes, grab a snapshot, and save an mp4.

04 Report



Download event reports — created with GPS co-ordinates, notes, photos, and video — instead of digging through files when you get back.

Designed, manufactured, assembled, tested, and serviced in the USA.

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