



The **mini Gas Cloud Imaging (mini-GCI)** is a miniature, lightweight camera that uses snapshot hyperspectral imaging to visualize and quantify gas release in real-time, allowing you to fix problems before safety issues or environmental incidents occur.

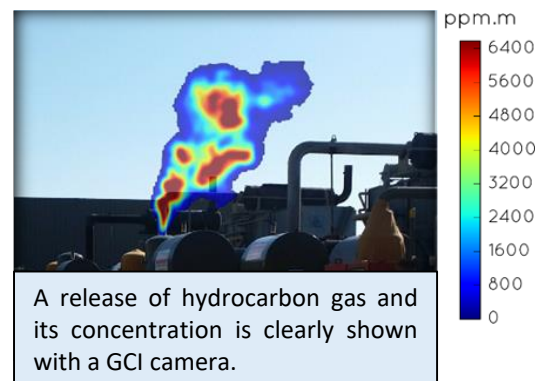
## Product Specifications

<b>Detection Approach</b>	Snapshot Hyperspectral Infrared Imaging
<b>Detection time</b>	< 1 second
<b>Field of View</b>	42.0° x 42.0°
<b>Position Control</b>	Pan ±180° (360° full rotation), Tilt ±45°
<b>Detection Range</b>	Up to 100 m (328 ft)
<b>Alert/alarm</b>	Fully automatic alarm with live visual display, audible alert, email, and/or text message
<b>False Alarm Rate</b>	≤ 1%
<b>Network Connections</b>	2 CAT6 Ethernet Connection
<b>Video Output</b>	200 x 200 pixels (IR) / 800 x 800 pixels (Visible) at 15 Hz
<b>Weather Conditions</b>	Validated for all weather and light conditions
<b>Temperature Range</b>	-40°C to 55°C (-40°F to 131°F)
<b>Electrical Requirements</b>	Camera: 24 VDC, 17 W Pan/Tilt: 24 VDC (Configuration dependent) mini-GCI Analyzer: 24 VDC or 120/240 VAC, 120 W
<b>DCS Integration</b>	Modbus TCP/IP
<b>Running time</b>	Continuous (24/7, 365 days)
<b>Self calibration</b>	Every 5 minutes
<b>Maintenance</b>	No regular maintenance (except exterior cleaning)
<b>Standard Analyzer</b>	Skylake i7 processor, 16 GB RAM, 128 GB SSD HD, LINUX OS
<b>Analytics</b>	Up to 3 simultaneously as standard; max 10 simultaneously
<b>Video Storage</b>	Up to 5 million detection event videos with optional DVR



Popular Gas Species*	Minimum Detection Level (ppm-m)
Acetic acid	180
Ammonia	13.5
Benzene	125
Butadiene	125
Butane	250
Carbon Dioxide	1079
Ethane	250
Ethanol	15
Ethylene	250
Iso-Butylene	125
Iso-Pentane	40
Methane	250
Methanol	10
N-Pentane	20
Propane	500
Propylene	125
Sulfur Dioxide	20
Toluene	150
Vinyl Chloride	2.5
p- or m-Xylene	20

\*Please consult with Sales Representative for a complete gas list. We will also work with you to develop custom gas analytics.



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