



FLIR ADGILE™

Automated Methane Monitoring Solution with Optical Gas Imaging

www.flir.com/products/ADGiLE



Key Features

- Continuous, reliable 24/7 monitoring of methane emission detection with analytics for real-time, accurate results, reducing false positives and unnecessary inspections
- Low-cost, low-maintenance alternative to cooled OGI systems for methane detection, providing operational insight to facilities and effectively supporting environmental initiatives
- Advanced situational awareness so you can accurately distinguish between operational and fugitive emissions to improve safety and production efficiency
- Fixed and pan/tilt options available to ensure compatibility with your specific monitoring needs

Main Applications

- Provides continuous methane detection to monitor and manage methane emissions effectively in upstream and midstream oil and gas operations
- Ensures real-time methane leak detection at wellpads, gas production facilities and midstream locations
- Ideal for facilities requiring around-the-clock monitoring to identify and mitigate methane leaks promptly

SPECIFICATIONS

Imaging and optical	
Infrared resolution	320 × 240 pixels
Thermal sensitivity (NETD)	<25 mK at 30°C (86°F)
Gas sensitivity (NECL)	CH ₄ : < 100 ppm × m (ΔT = 10°C, Distance = 1 m)"
Field of view (FOV)	25° × 19°
Minimum focus distance	0.3 m (0.98 ft)
Focal length	18 mm (0.71 in)
Spatial resolution (IFOV)	1.4 mrad/pixel
Lens identification	Automatic
f-number	1.04
Image frequency	30 Hz
Focus	Motorized
Detector data	
Focal plane array/spectral range	Uncooled microbolometer/7.0 μm to 8.5 μm
Detector pitch	25 μm
Measurement	
Camera temperature range	Range 1: -20°C to 80°C (-4°F to 176°F) Range 2: 0°C to 250°C (32°F to 482°F) Range 3: 100°C to 500°C (212°F to 932°F)
Accuracy	±3°C (±5°F) for ambient temperature 15°C to 35°C (59°F to 95°F)
Measurement analysis	
Atmospheric transmission correction	Based on inputs of distance, atmospheric temperature, and relative humidity
Lens transmission correction	Automatic, based on signals from internal sensors
Emissivity correction	Variable from 0.01 to 1.0
Reflected apparent temperature correction	Based on input of reflected temperature

External optics/windows correction	Based on input of optics/window transmission and temperature
Measurement corrections	Global object parameters
Power system	
Power consumption	21 W
External power operation	Compatible with IEEE 802.3af, IEEE 802.3at/PoE Plus
External voltage	PoE Class 4 (25 W)
Environmental data	
Operating temperature range	-30°C to 50°C (-22°F to 122°F)
Storage temperature range	IEC 68-2-1 and IEC 68-2-2, -40°C to 70°C (-40°F to 158°F) for 16 hours
Humidity (operating and storage)	Relative humidity: from 5% up to 95%
EMC	EN 55032:2015 Emission Requirements EN 55035:2017 Immunity Requirements FCC – Title 47 CFR Part 15.2019 ICES-001 Issue 4:2014
Encapsulation	IP67
Safety	IEC 62368-1 (IT equipment audio-visual products)
Corrosion	Salty fog resistance: ISO9227, to 1000 hours
Declaration of conformity	See: https://support.flir.com/resources/DoC
Physical data	
Mounting options	Fixed or pan-tilt
Weight	Fixed: 5.9 kg (13.0 lb) Pan-Tilt: 15.0 kg (33.0 lb)
Size (L × W × H)	510 mm × 177 mm × 229 mm (20.10 in × 6.97 in × 9.02 in)
Housing material	Aluminium
Color	White
Pan-tilt unit	
FLIR PTU-D100E specifications	Fixed solution only. See: https://www.flir.com/products/ptu-d100e

Specifications subject to change. For the most up-to-date specifications, please visit flir.com.

For technical or sales support, please visit:
www.flir.com/about/general-inquiries

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Revised 05/29/24
ADGiLE-Datasheet-A4 24-0144-INS



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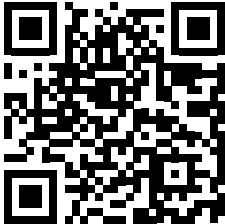
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SPECIFICATIONS, CONT.

Control cabinet	
Weight	20.95 kg (46.18 lb)
Size (external)	510 mm × 177 mm × 229 mm (20.10 in × 6.97 in × 9.02 in)
Size (mounting plate)	535 mm × 430 mm (21.06 in × 16.90 in)
Power input	120 V DC, 50 Hz to 60 Hz 230 V DC, 50 Hz to 60 Hz
Internal power supplies	85 V to 264 V AC / 24 V DC, 3 A (3 power supplies)
Ethernet to serial converter supply	12 V to 48 V DC, 47.3 mA @ 24 V DC
1 + 4 port PoE switch	12 V to 57 V DC, 5.65 A @ 24 V DC
Warranty and service	
Warranty	http://www.flir.com/warranty/

Specifications subject to change. For the most up-to-date specifications, please visit [flir.com](http://www.flir.com).

For more information about
FLIR ADGiLE, please scan
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