

24/7 CAMERAS

Caroline FYL

OGI + Methane laser monitoring system



7FSOUD

AI Analytics

Integration

Rest API, Cloud Services, IoT



ATEX Certification

II 3G Ex ec IIC T4 Gc



Real Time Alarms

Modbus, OPC, Hot Relay

5FBSPMF:-TFGSTPF
TTFBTFPBBFSBBBMBTFSGPS
FBFFFPBBGBP
FSBFFMBFTFPMP
PPMFGSBSFFFSTTBF
TPMPSPTTFFSSPSGSFF
FSGPSBF

9LSHU2SWLFWHFKROR

7FSOUDTGVMZOUFHBSUFEO4&/4TMOFPGGYFETZTUFNTGPSNPOUPS0H5IT
DPNSFIFOTWFNPOUPS0HTZTUFNSFTFOUTBIPTUPGOOPWBUWFDBBCMUFBTTFNCMFEVOEFSB
TOHMFDPUSPMTPGUXBSF



Gas Detection

Highest detection probability and lowest false alarm rates



Flame Detection

The most reliable tool for fire anticipation and early warning



Gas Quantification

Determination of the NNmass flow rate of the detected gas



Spill Detection

Non-volatile hydrocarbons and spills detection



Surveillance

Thermal image processing for security and safety



Tank Leveling

Automated tank level monitoring without opening the thief hatch



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The introduction of the laser brings two added values that make the system a perfect solution for very precise monitoring: first, it confirms the existence of a gas leak and secondly, it quantifies the plume in ppm-m.

With the optional Pan & Tilt, a Tour option can be set, which allows the system to be configured to monitor different areas surrounding the system for the period of time the user determines.

Specifications	
FPA	Uncooled 640 x 480 px
Pixel Pitch	17 μ m
NETD	<22mK @ +30°C
Spectral Region	7 to 9,5
Lenses	50 mm 35 mm 20 mm
Zoom	Digital Zoom
Accuracy	\pm 1°C (from 0°C to 60°C Scene Temp.)
Data Protocol	GigE 9 Hz / 25 Hz
Power	<3 watts; PoE (power over ethernet) 9v-48v
Weight	42 kg
Size	423 x 428 x 315 mm
Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-40°C to +71°C
Certifications	IP66 (EN 60529) EMC (EN 61326:2013) II 3G Ex ec IIC T4 Gc -20°C \leq Tamb \leq +50°C EN 60079-0:2012 + A11:2013; EN 60079-7:2015

Pan & Tilt Specifications	
Mounting	4X \emptyset 11 on 195 PCD
Backlash	<0,1°
Max. Preset Accuracy	0,5°
Power	230 - 120 VAC, 70 W

Laser Specifications	
Range	50 m
Measurement Performance	<50000 ppm·m : Accuracy \pm 10 %
Certification	II 2G Ex d IIC T6 Gb

Gases detected	
Acetic Acid	C2H4O2
Acrolein	C3H4O
Acrylic Acid	C5H8O2
Ethyl Hexyl Acrylate	C11H20O2
Methane	CH4
Nitrous Oxide	N2O
Phenol	C6H6O
R12	CCl2F2
R123	C2HCl2F3
R125	C2HF5
R13	CClF3
R134A	C2H2F4
R13B1	CBrF3
R417A	Mixture of C2HF5, C2H2F4, C4H10
R422A	Mixture of C2HF5, C2H2F4, C4H10
R508A	C2F6
Sulfur Dioxide	SO2

Specifications are subject to change.

For the most up-to-date specifications, please contact to: contact@sensia-solutions.com

HEADQUARTERS

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QUALITY POLICIES

