

Agni

Continuous Flare Efficiency Monitoring



HxCy CO₂

Agni is SENSIA's unique bispectral fixed system specifically designed for 24/7 monitoring of flared gases and pilot flames. Remotely quantify the Destruction & Removal Efficiency of any flare with Agni, the only non-intrusive solution for 24/7 accurate flare efficiency monitoring for environmental regulation compliance.



Flare
Efficiency



Flare
Monitoring



RedLook Camera
AI Analytics



Automatic
Reporting



Integration
Rest API, Cloud Services, IoT



Instant &
Accurate Alarms



REDLOOK

RedLook is fully implemented in SENSIA's line of fixed systems for autonomous continuous monitoring. This comprehensive monitoring system presents a series of innovative and reliable capabilities assembled under a single AI-powered control software.

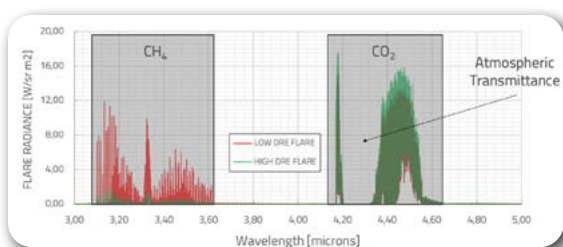
Technology Data Sheet

Specifications

FPA	2x Cooled 640 x 512 px
Pixel Pitch	15 μ m
NETD	<15mK @ +50°C
Lenses	50 mm 100 mm
Zoom	Digital Zoom
Data Protocol	GigE 9 Hz / 25 Hz
Power	24 VDC @ 2.5 A
Weight	8 kg
Size	370 x 250 x 165 mm
Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-40°C to +71°C
Certifications	IP65 (EN 60529)

Features under demand

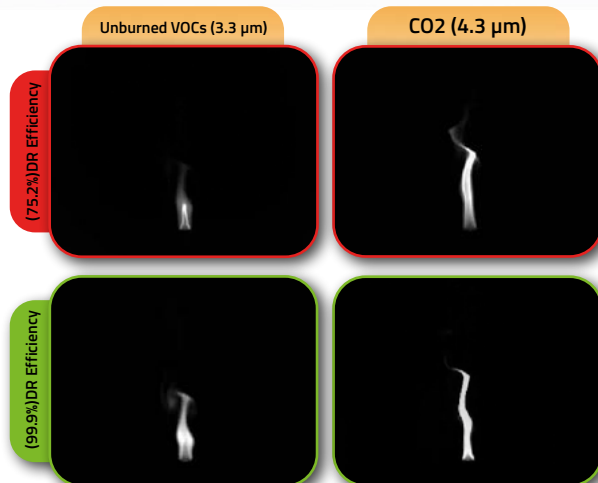
Scanning	Pan & Tilt
SMART Model	Contact us for further details
Explosion-proof housing	ATEX



Both the system architecture and the image processing algorithms meet the current and proposed regulation reporting requirements of the industry. RedLook is fully compatible with other traditional surveillance systems, taking safety and security to a new level.

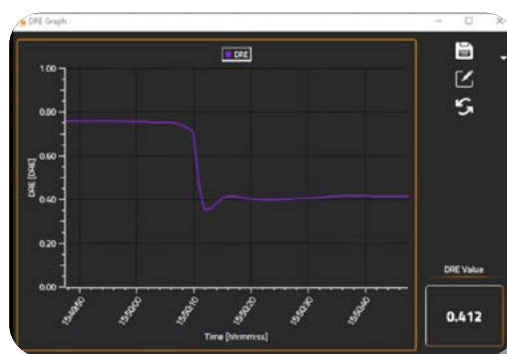
Specifications are subject to change.

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



Key Features:

- DRE calculation
- Maximum and minimum height thresholding
- Multi-flare monitoring
- Flare shut off detection
- Early detection of liquid spills (burning rain)



Real-time flare efficiency functionality provides continuous monitoring of the efficiency level for each flare in the field of view of SENSIA's Agni. If an irregular event is detected as defined by customizable settings in RedLook, an alarm will be generated automatically.