SENSIA® CalciflR

Automatic Flame Detection Camera

Technical description

January 2018

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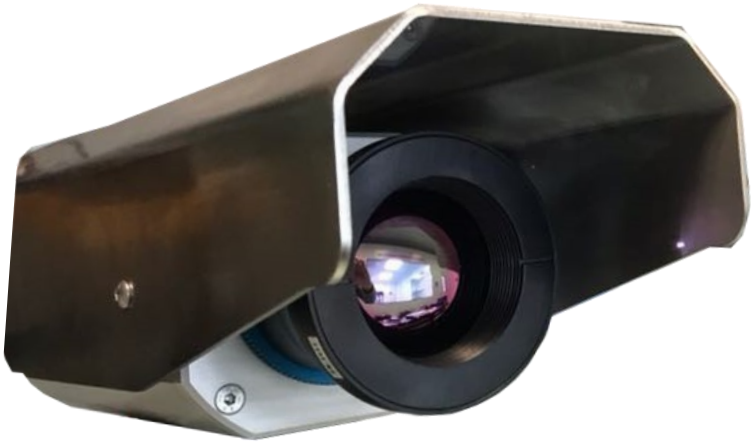

Automatic Flame Detection Camera

SENSIA CalcifIR description

This highly innovative solution is intended to detect flame by using IR technology.

Is based on Infrared Thermography principles, on which SENSIA has a great background and expertise.

SENSIA CalcifIR includes a custom uncooled detector.

This system will combine SENSIA's Gas Sensing System and REDLOOK-FireDetec, which provides high probability of detection and low false alarm rate with a visual reference, making possible locate and choke the fire.

BENEFITS

- Ultra-high sensitivity → 99% fire detection @ 3x3 pixels
- Visual detection → Exact flame point detection
- Video data and camera power supply over RJ45 cable
- Pan&Tilt system → Available
- Fully Rugged → ATEX version available
- Friendly and intuitive interface → Easy operating software

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Main Features

- Uncooled Technology
- 640 x 480 Pixel FPA array
- NETD: < 50 mK
- Different FOV available:
- FOV (50 mm lens): 11º (H) x 8,80º (V)
- FOV (35 mm lens): 15,72º (H) x 12,57º (V)
- FOV (20 mm lens): 31,17º (H) x 23,38º (V)

Software Features

- Spatial and temporal regions of interest
- Temperature calibration
- Isotherms
- Image Analysis on memory
- Video Editing
- IR / Visible Image fusion
- JPG and MPEG Video Recording.
- Micro flames real time high-sensitivity visualization.
- Report generation of the videos/images captured.