



CORE

# THE ULTIMATE

IN VIDEO **FIRE** DETECTION TECHNOLOGY

CIQRUX

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# ABOUT US

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A dark, high-angle photograph of an industrial complex, likely a refinery or chemical plant, at night. The scene is filled with glowing lights from the facility's structures, pipes, and equipment, creating a complex pattern of yellow and white against the dark sky. The perspective is from above, looking down at the sprawling industrial landscape.

At Ciqurix we have been designing, developing and manufacturing innovative, revolutionary video fire detection since 2012. We are a UK company with a global distribution network, enabling fire detection in industries and environments where traditional systems are inadequate.

# **FIRE DETECTION HAS EVOLVED**

**Insurance approved**

**Meets fire standards**

**Efficient and reliable**





## BECAUSE TOMORROW IS TOO LATE...

Our CORE system brings fire detection to areas that were previously unprotectable, providing versatility, reliability and accuracy. Instead of waiting for combustion particles or heat to reach a detector, our video fire detection uses multiple sensors and complex analytic technology to see and recognise a fire starting within seconds.

### A BETTER WAY TO PROTECT YOUR WORLD



DETECTS MULTIPLE FIRES IN SECONDS



ALL LIGHT LEVELS - DAY & NIGHT



BOTH INDOORS & OUTDOORS



SEE FIRE AT UP TO 180 METRES

## WE PROTECT

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## HARD TO THE CORE.

CORE is a fire system which provides primary fire detection using multi-spectral video analytics onboard each detection device. It is designed for compliance to BS5839-1 (UK fire standard), uses fire-rated cabling, and will continue to operate from its internal battery supply for over 24 hours during power failure.

Each device on a CORE system connects directly to a CORE Hub with fire-rated data cable using the Ciqurix QLS protocol. Individual camera feeds are made available for recording and onward transmission via 3rd party CCTV equipment.

**The CORE system is the only  
video fire detection product  
that operates and functions as a  
recognised fire system, providing  
businesses around the globe  
peace of mind and a product that  
complies with fire standards.**



# WHY CHOOSE FCAM CORE

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Traditional fire detection methods are facing significant challenges and failing to adapt. Buildings are increasing in size and complexity, industrial processes are no longer an excuse for slow or non-existent detection, and environmental concerns are necessitating fire detection in areas that were previously ignored.

The Ciqurix FCam detects a fire at its inception and immediately raises an alarm. Using a combination of visual and infrared image processing analytics, even small flames are located and detected over large distances in seconds. The CORE system will rapidly detect fire almost anywhere. It is unaffected by dust, dirt, fumes, moisture, light levels, or temperature.

FCam CORE integrates seamlessly into other systems (fire alarm, automatic suppression, remote monitoring, cctv, etc) and can generate alerts in the way most suited to you and your business.

Ciqurix systems are protecting facilities all over the world. Cost effective, simple to operate, and with proven reliability - why would you not use the FCam to limit your exposure to the damaging effects of fire?



# OUR STORY

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Our founder Alan Boyd first came up with the idea for a flame detecting camera device in 2007. Working with his friend Cao Lin (a professor of engineering) it took five years and several prototypes before a working version of the FCam was produced. Alan formed Spotfire Ltd in 2012 and the first "real world" FCam went live in 2013.

By 2018 the FCam had evolved into a fire system rather than just a camera, the analytics improved dramatically, and the company rebranded as Ciquirix. Investment saw expansion and new faces, with new global headquarters in the UK and a regional office in Singapore. Alan's share of the business passed to his son James, who brought in Paul (our CEO) and most of the current team.

Since then we have grown distribution networks in Europe, Australia, Africa and Southeast Asia, and expanded across multiple sectors in the UK. We are a forward-looking company, and we continue to listen closely to system integrators, installers and end users, evolving our products to meet industry requirements.

We provide comprehensive design support, training, commissioning, and post-sales care, to ensure that your people and your businesses are fully protected by the most reliable, accurate and versatile fire system available.

# THE CORE LINE



## SOLOFP

**ENVIRONMENT** indoor only

**DETECTION RANGE** up to 100 metres

**OPTIONS** semi-concealed, custom finish

**POPULAR APPLICATIONS** large atria, transport & logistics, trading floors, distribution centres, manufacturing, social housing



## XFP

**ENVIRONMENT** moisture / dust / outdoors

**DETECTION RANGE** 180m indoor / 80m outdoor

**OPTIONS** air clean, extra low temperature

**POPULAR APPLICATIONS** airside & airport terminals, waste & recycling, construction, distribution centres, frozen storage, power generation



## EXFP

**ENVIRONMENT** explosive areas (ATEX)

**DETECTION RANGE** 180m indoor / 80m outdoor

**OPTIONS** custom length approved cabling

**POPULAR APPLICATIONS** waste & recycling, chemical plants, oil & gas, palm oil refineries, chemical distribution & storage, power generation



## XCRFP

**ENVIRONMENT** high corrosion risk (316L)

**DETECTION RANGE** 180m indoor / 80m outdoor

**OPTIONS** extra low temperature

**POPULAR APPLICATIONS** waste & recycling (dockside), marine, coastal sites, chemical handling areas, manufacturing



## CORE CONTROL

**CORE Control Hub** - The central point for the CORE system which provides power, control and interface functions for CORE devices. Supports up to 6 CORE devices directly, and up to 128 with the use of Extension Hubs.

Meets the requirements of BS5839-1 (UK fire standard). Designed specifically for use with fire-rated "FP" data cable and provides over 24 hours backup supply in power failure.

**CORE Extension Hubs** - Each adds capacity for an additional 4 or 8 CORE devices to the system. Linked to the Control Hub via FP data cable, fibre-optic, or wirelessly.

**CORE I/O Module** - Allows additional granularity of alarm reporting to other systems. Provides straightforward linking to fire systems, fixed suppression, water cannons, remote monitoring, and many other systems.



**BOOK YOUR DEMO TODAY**  
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