

CIQ'RIX

Fast, reliable flame detection



support by CIQ'RIX

Key features

- Works where smoke detectors fail, e.g. outdoors and large atriums.
- 1:1,000 false alarm rate.
- RTSP video stream which is universally compatible
- Up to 180m range.





FIRE DETECTION METHODOLOGY

hasn't really changed for almost 50 years.

The problem



VERY SLOW FIRE DETECTION

has just always been accepted for certain environments: anywhere with high ceilings; anywhere with steam, fumes, dust or smoke; anywhere with high humidity.



FIRE DETECTION OUTDOORS

has just always been accepted as impossible, or not feasible.



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SMOKE

will only rise when it gets hot, and even then needs enough quantity to spread as far as a detector



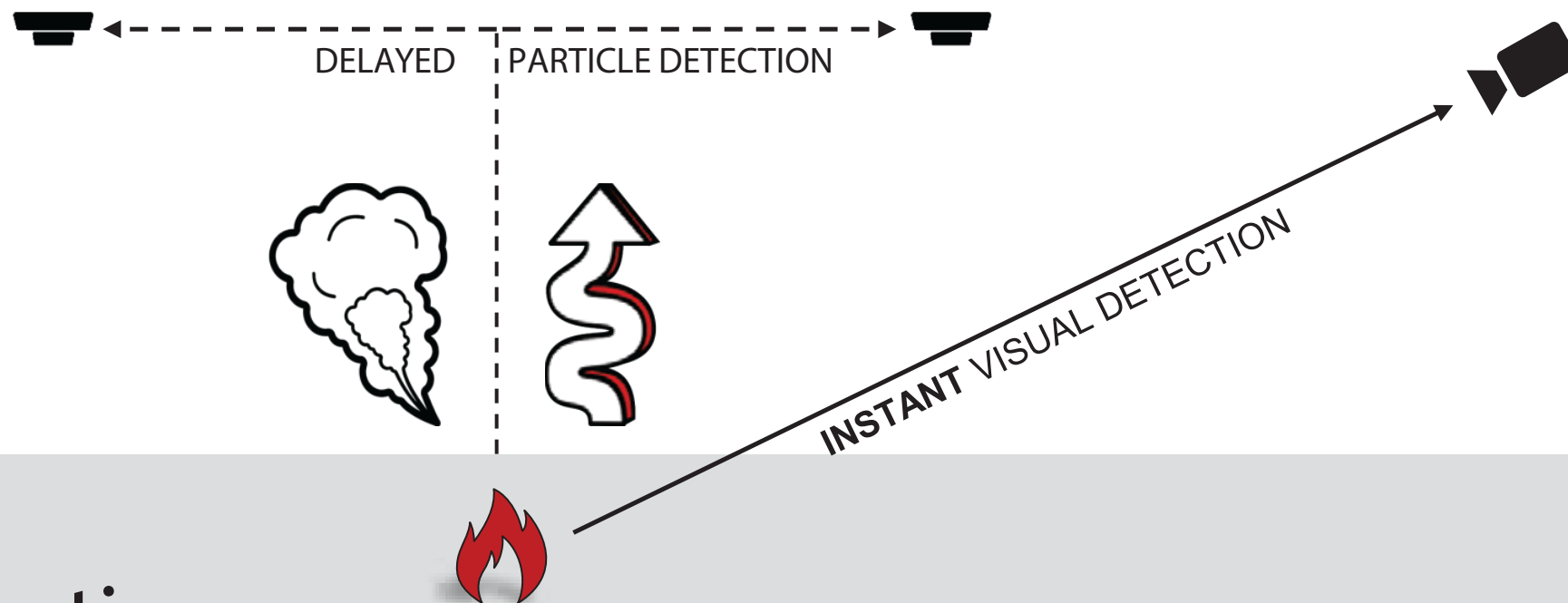
HEAT

gradually warms the air over time; large spaces may never get hot enough to trigger a detector



VISUAL

detection is almost instant, works from large distances, in any environment – even outside



Visual detection



Visible sensor



colour
brightness
shape
flicker
movement
edge behaviour
over time

Near infrared
sensor



flame spectrum
brightness
shape
flicker
movement
edge behaviour
over time

The Fcam solo

= FIRE DETECTED

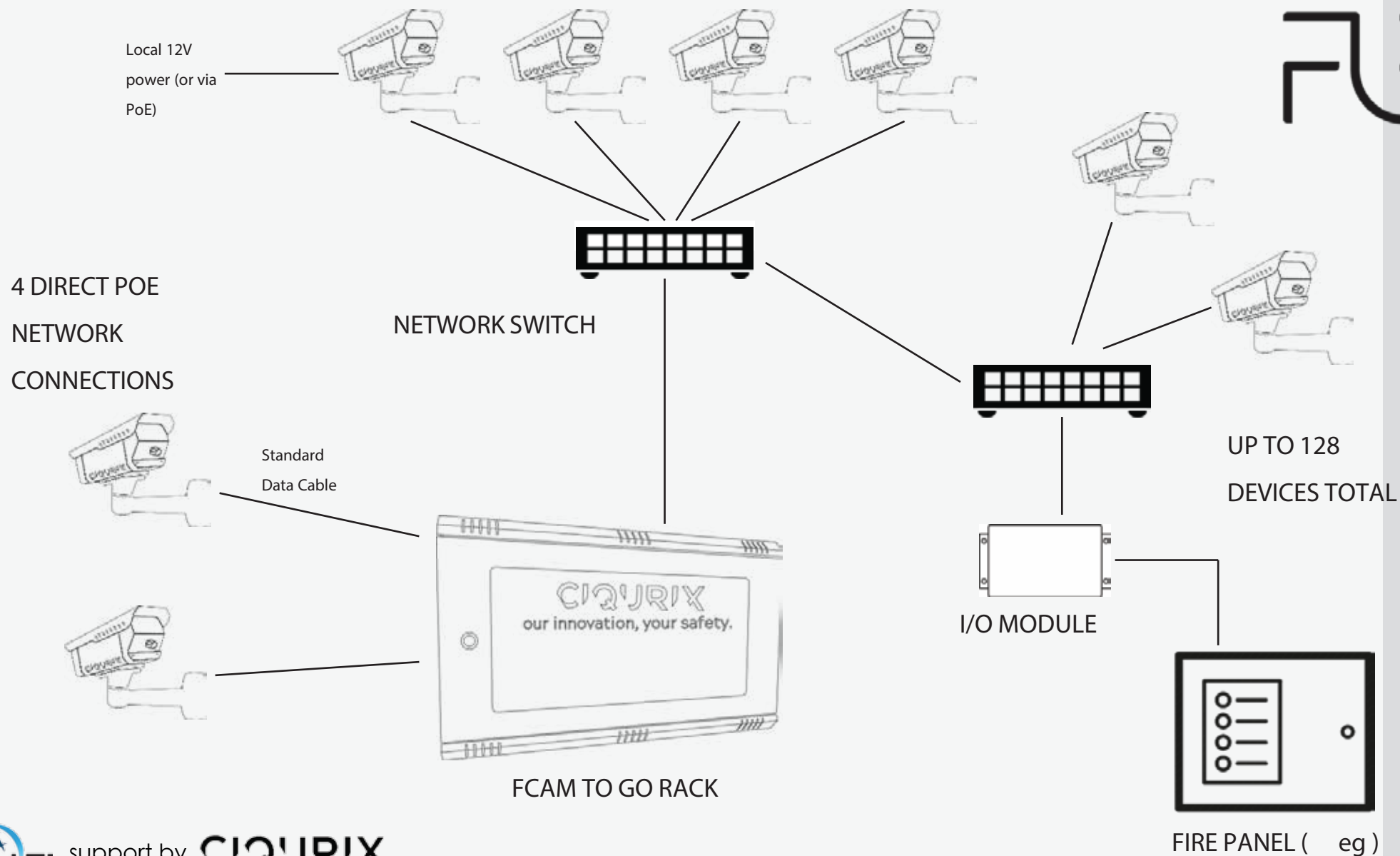
Our systems



- Supplemental system
- Uses standard Cat 5e / Cat 6 cable
- 12v camera power
- Can be powered via PoE
- Not battery backed
- Can use shared/existing network



- Meets category requirements – eg BS5839 L1-5 or P1/2
- Uses “FP” fire rated cable
- 24v camera power
- Powered directly from control hub
- 24 hrs of battery backup in mains failure
- Dedicated network





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MAX 6 FCAM
DEVICES ON
CONTROL HUB

EXTENSION HUB

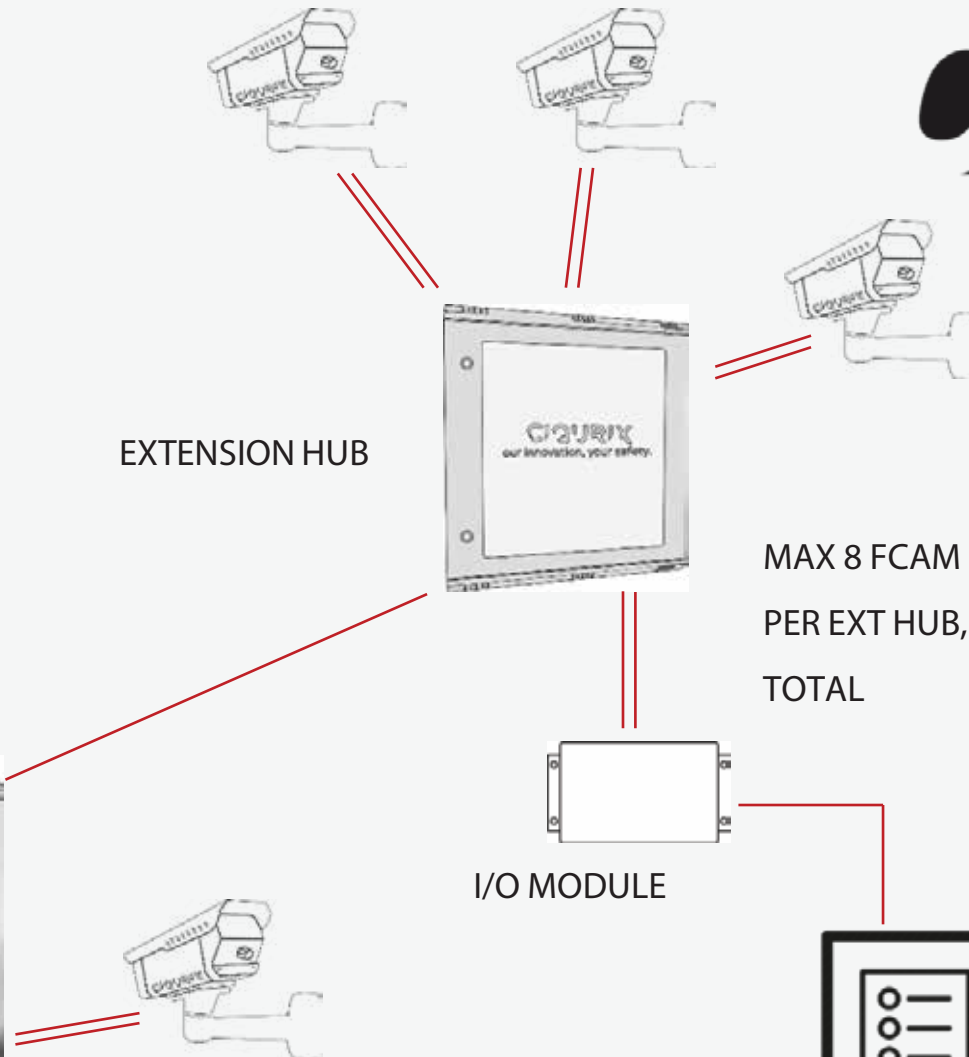
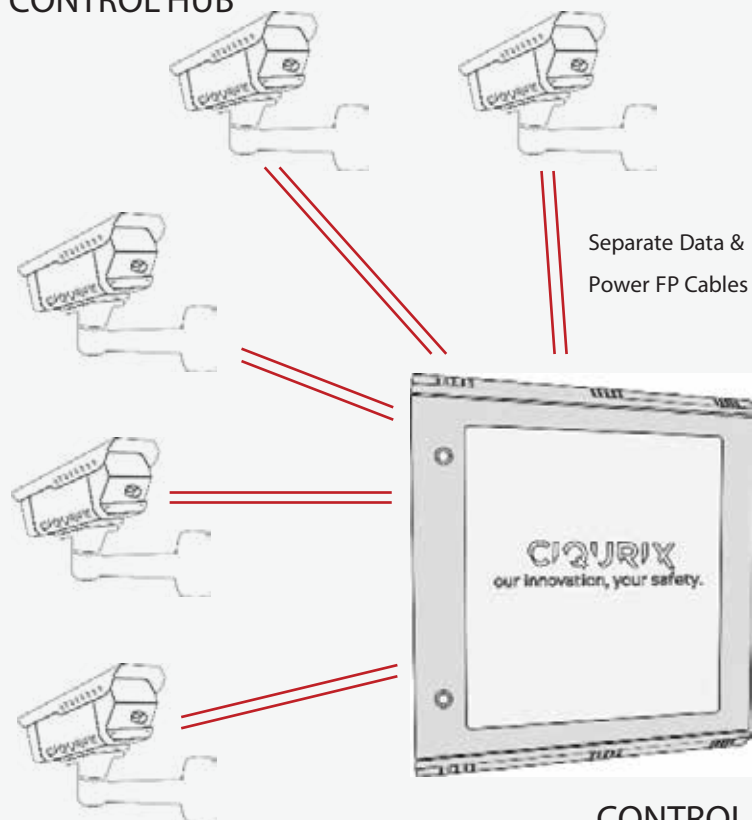
MAX 8 FCAM DEVICES
PER EXT HUB, 128
TOTAL

Separate Data &
Power FP Cables

I/O MODULE

FIRE PANEL (eg)

CONTROL HUB



the system



FCam Solo



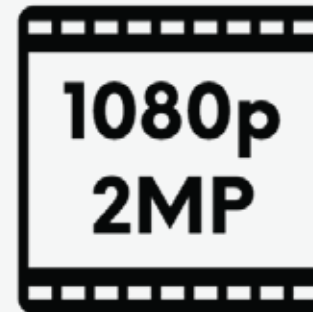
55m

DETECTION DISTANCE

65°
horizontal

4mm

WIDE ANGLE LENS



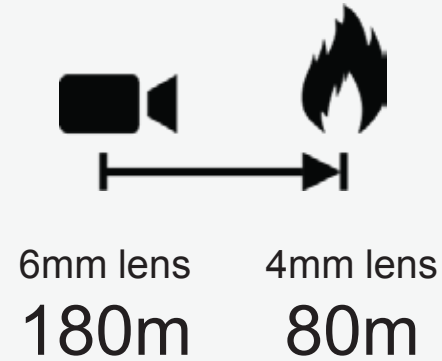
IP60

INTERNAL USE ONLY

The system



FCam X



IP66

EXTERNAL USE

The system



FCam XCR

DRE FLEX



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6mm lens

180m

4mm lens

80m

65°
horizontal

46°
horizontal

4mm

6mm

LENS OPTIONS

316L

LOW CARBON
STAINLESS STEEL



IP68

HARSH ENVIRONMENT

The system



FCam EX

ORE FLEX



6mm lens
180m

4mm lens
80m

65° horizontal 46° horizontal

4mm 6mm

LENS OPTIONS

ATEX / IECEx

EXPLOSIVE
ATMOSPHERES



Gas: Ex II 2G Ex d IIB T6 Gb
Dust : Ex II 2D Ex t IIIC T80C
Db

Camera formats

- FCam Solo - Interior
- FCam X - Exterior
- FCam Ex - ATEX rated
- FCam CR - Corrosion resistant

All cameras available in 4mm or 6mm lens formats

All cameras available in CORE or FLEX range

Special orders manufactured on request



How we work

- Client provides site plans, elevations, site photos and relevant context.
- Ciqurix engineers create a 3D model of the site, with camera selection and placement recommendations, provided to the client with a kit list and quotation.
- On receipt of the purchased equipment, Ciqurix provides certified training to installation engineers and technicians.
- On installation, Ciqurix provides remote commissioning support to installing engineers and technicians.

Contact us

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