

A Network Video Recorder (NVR)

For convenience a bracket is provided on the inside of the door to fit an NVR within the Hub. Any suitable NVR should work, provided it has alarm inputs and accepts RTSP camera feeds. Note that external notification of fire events (e.g. to first responders or monitoring centre) should be achieved using a suitable type-approved communicator and not rely on the NVR.

For reference, Ciqurix FCam cameras provide their video feeds as an RTSP stream. The URL is

Main stream (30 fps): `rtsp://xxx.xxx.xxx.xxx/live/ch00_1`
 Sub stream (5fps): `rtsp://xxx.xxx.xxx.xxx/live/ch00_0`

The default username is admin and the password is 12345

For assistance with NVR setup and programming, please contact the manufacturer / supplier of the NVR.

B NVR Power

A single 230Vac mains socket is provided at the top of the Hub to power the NVR; this is not provided with battery backup. **Do not** use the internal 24v or 12v rack power supplies to feed an NVR (or any other equipment), because battery standby time will be significantly reduced.

C FCam Controller status

The FCam Controller checks the status of FCam cameras, updates and monitors their settings, allows programming and setup of the system, checks for detected/reported fires, and triggers system output relays in fire and/or fault conditions.

The status screen shows various information about the system on a cyclical display:

Screen 1 displays the serial number and firmware version of the controller. The serial number is needed for engineer programming access, and will be required if contacting Ciqurix technical support.

Screen 2 displays the current IP address of the controller, the port used for engineer programming access, and whether using Static (S) or DHCP (D) addressing. These parameters are factory set; please contact Ciqurix if they need to be changed.

Screen 3 displays device status: The top line shows the number of Cameras (C) and Input/Output Modules (M) programmed onto the system. The bottom line shows the number of faults present for each device type.

NB: The screen may display random characters during initial boot-up; this is normal and will clear once the Controller is operational.

D FCam QLS Device connections

Punch-down connections are provided for up to 6 cameras (8 on Extension Hub), plus a WAN connection and hub-link connection.

THE DATA WIRING ON THE FCAM CORE SYSTEM IS NOT STANDARD. ONLY CONNECT FCAM FP CAMERAS TO THESE TERMINALS AND OBSERVE LABELS AND COLOUR CODES THROUGHOUT.

All terminals are designed to accept "FP" (fire resisting) network cable as well as standard cat 6. A Krone-style punch-down tool should be used. Screen connection points are provided for cable screens.

All cabling must be tested thoroughly before system commissioning.

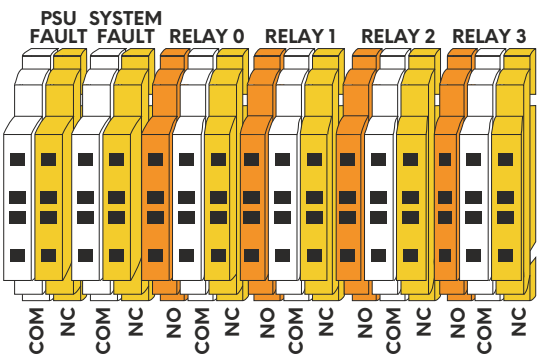
E QLS Device fuses

Each camera and module is separately fused at 1 amp, with a slow-blow fuse. If the system reports any disconnected cameras, start by checking the fuses are intact. Each fuse holder hinges forward to access the fuse.

F Fault & Alarm relay contacts

Two normally-closed fault contacts are provided, for power supply (psu) fault and general system fault. These should be connected to a fire alarm panel and/or monitoring centre so that any issues with the FCam system can be investigated. The system fault relay is fail-safe (held-on) so will still indicate fault even in total power failure of mains and battery.

Four programmable volt-free changeover alarm relay contacts are provided (exact quantity may vary depending on system spec). These can be set during commissioning to trigger for fire events from a zoned area of a camera view, from one camera, from a group of cameras, or from all cameras (global fire). The default operation mode is global fire.



G Mains power supply feed

Provide a suitable 220-240Vac mains power supply capable of delivering 6A (inrush 30A max < 30ms). Follow all applicable local regulations; in the UK see BS7671 and also BS5839-1 (with regard to fire resistance of mains power cabling, authorised isolation etc).

Route the mains supply cable apart from other cables as much as possible within the cabinet.

This equipment must be earthed. Always replace the cover. All electrical work must be undertaken by a qualified electrician.

H Battery disconnection

Two 65Ah batteries are required for the system to operate correctly; in the UK these are supplied pre-fitted (but disconnected). The only battery type approved and tested by Ciqurix is Yuasa NP65-12I. Any alternative batteries used must be mechanically and electrically identical.

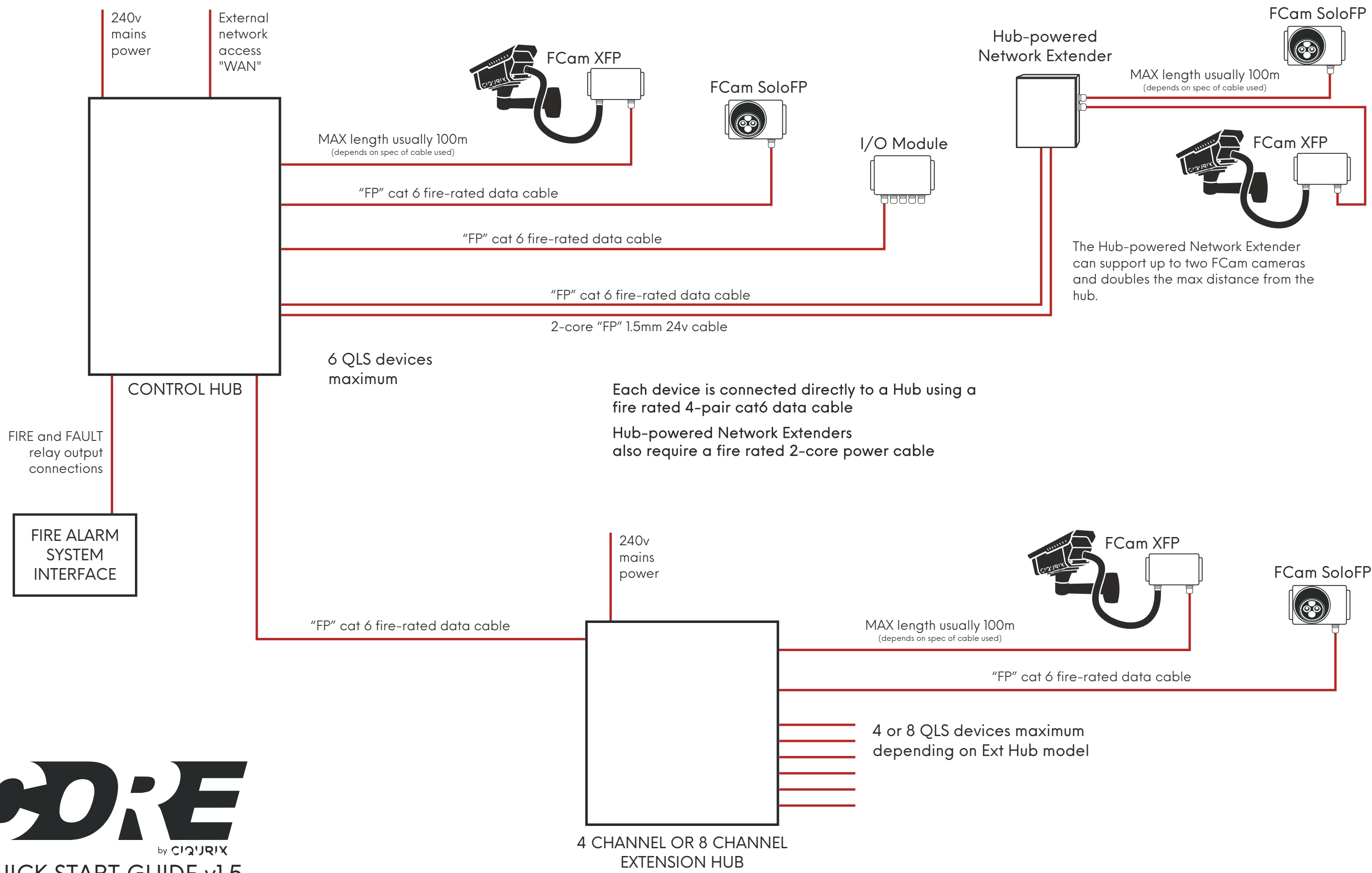
Batteries can be accessed for routine maintenance by removing the battery bracket and lifting them out. The batteries are supplied disconnected.

Before use: re-join the inline connector on the battery positive lead.

If removing or re-fitting the batteries, observe polarity of the cables before attaching to the battery terminals, and take great care to avoid shorting battery terminals or cables on tools or metalwork. The batteries are fitted in series, giving a nominal system voltage of 24V.

This is an indicative layout for guidance only.
Every site is different; please contact Ciqurix for advice.

THIS EQUIPMENT WILL NEED TO BE COMMISSIONED ON SITE BY A CIQURIX ENGINEER
HAVE YOU BOOKED A COMMISSIONING? If not, email support@ciqurix.com or call 01803 467300 now



QUICK START GUIDE v1.5
+44 (0)1803 467300 support@ciqurix.com