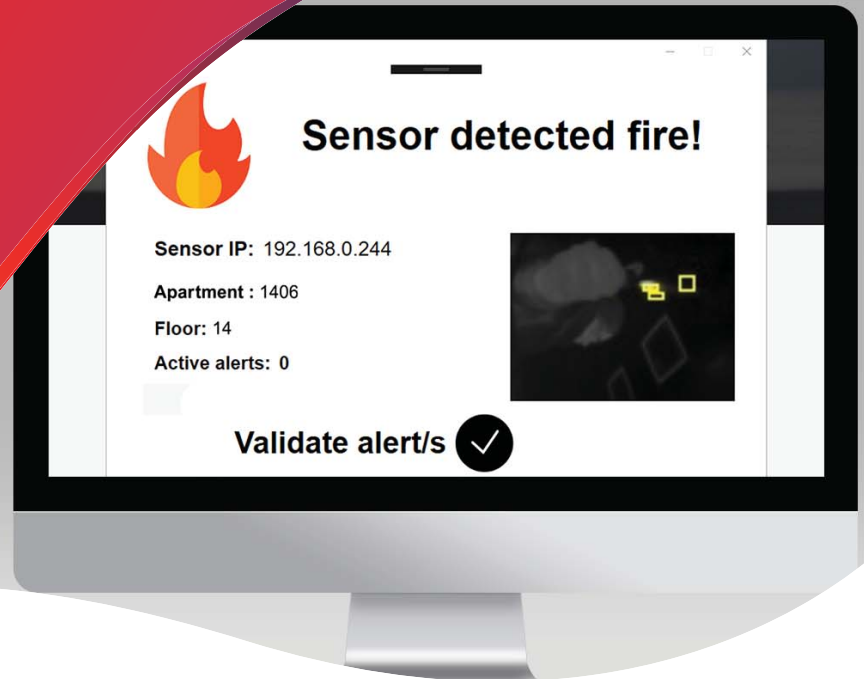# IRIS FireEye

Central Management System

IRIS FireEye is a CMS specially designed to manage & integrate the IRIS EFD Thermal Sensors into an Ethernet based network environment.

IRIS
INFRARED INNOVATIVE SOLUTIONS

Sensor detected fire!

Sensor IP: 192.168.0.244

Apartment : 1406

Floor: 14

Active alerts: 0

Validate alert/s ✓

KEY FEATURES

Full Management
Full Management of up to 500 sensors per server

Multi-User
Multiple Users with Different Authorization Levels

Remote Configuration
Remote configuration/setup of all parameters & settings as well as remote calibration of any connected sensor

Status Verification
Status Verification of All Sensors
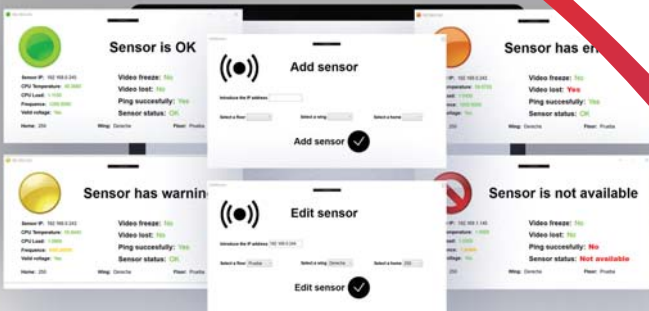
Streaming
Streaming & Recording Capabilities

Access
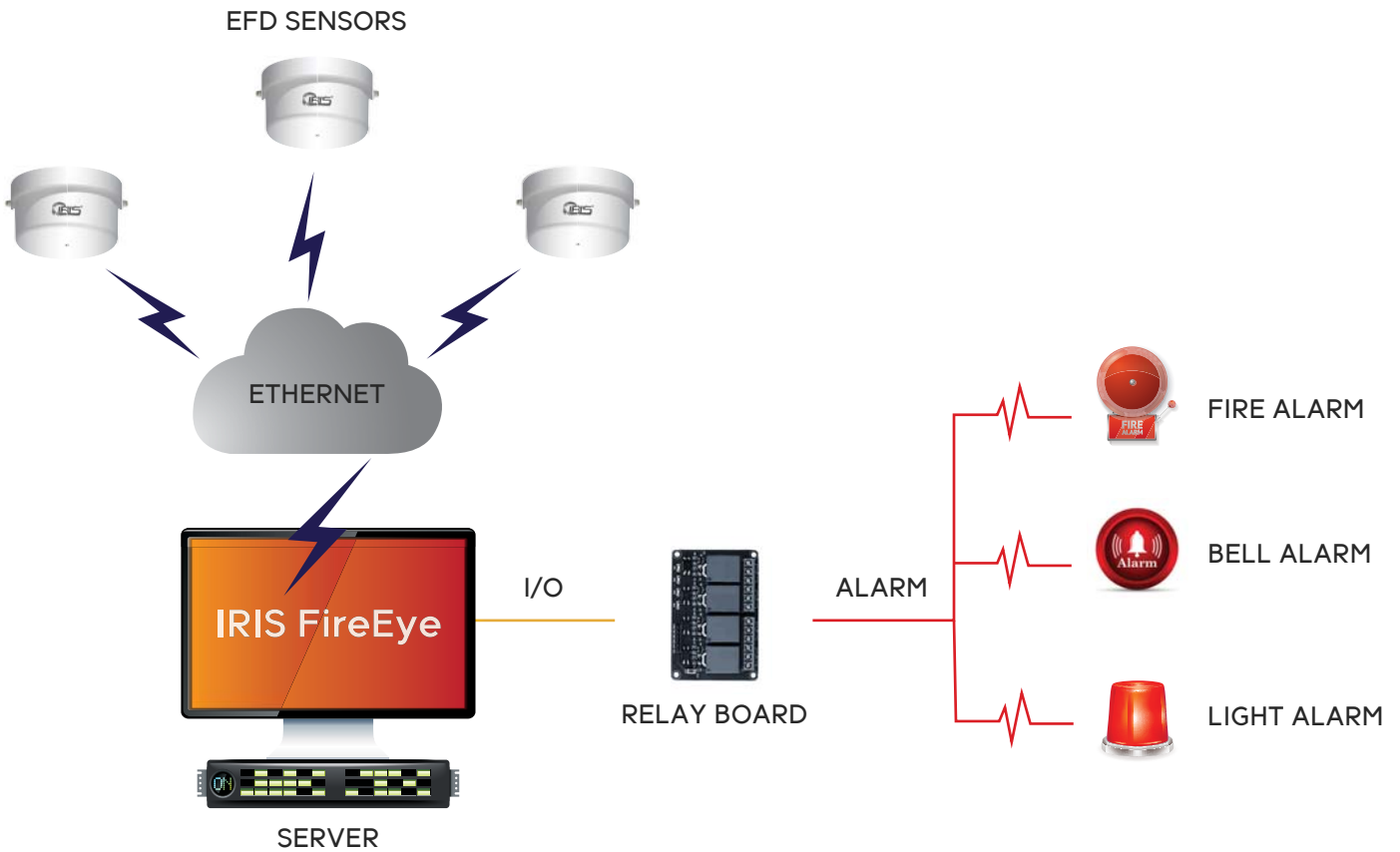Access to all Sensors via IP
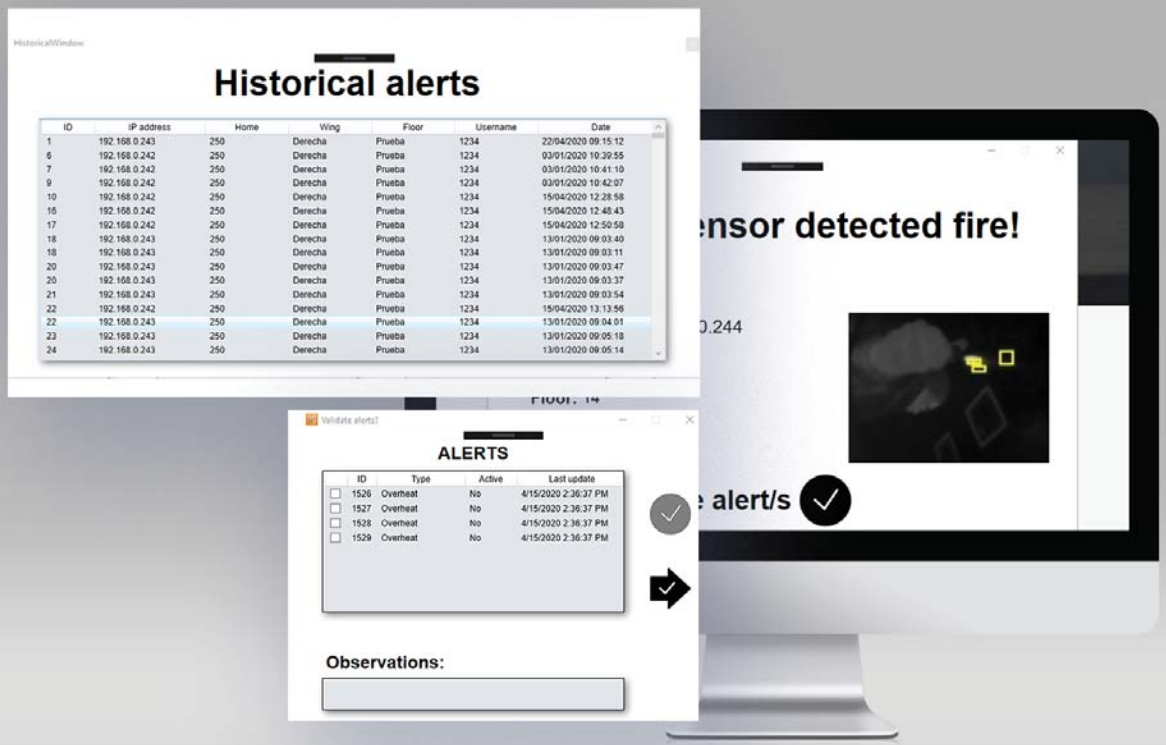
Alarm
Alarm Management System

TYPICAL INSTALLATION & ARCHITECTURE

Control Room with IRIS FireEye CMS installed on a central server.

Sensors installed in remote locations as required and connected to the central server via IP network.

EFD SENSORS

ETHERNET

IRIS FireEye

SERVER

I/O

RELAY BOARD

ALARM

FIRE ALARM

BELL ALARM

LIGHT ALARM

ALARM MANAGEMENT SYSTEM CAPABILITIES

- ✓ Acquire alarms from sensors

- ✓ Alarm display in audible and/or visual format

- ✓ Alarm acknowledgment option for the operator

- ✓ Identification of exact sensor generating the alarm event

- ✓ Display of alarm location in real time

- ✓ Alarm type differentiation: flame, overheat, or mixed

- ✓ Multiple data presentation in case of an alarm event such as date, time, and type

- ✓ Sending alarms via Email

- ✓ Sending alarms via SMS (Optional)

- ✓ Storing all alarm incidents in a database for later review

- ✓ Alarms as digital I/O (TTL Signal) to trigger other devices such as sirens, stroboscopic lights, set fire alarms through alarm panels, etc.
  This feature assumes the server is coming with a relay board, which IRIS FireEye could utilize.

STREAMING &
RECORDING CAPABILITIES

- **Two streaming modes: Greyed and AGC**
  The Greyed will only show a Grey box, while AGC will show detailed IR level arrays.

- In surveillance mode the IRIS FireEye will automatically display greyed stream of all sensors

- IRIS FireEye will automatically switch to AGC stream in case of alarm on any sensor

- Manual switch capability to AGC stream on any desired sensor

- **Privacy Masking Switch**
  This can be switched on/off only by the system administrator.
  When switched on the operator cannot switch to AGC stream manually.

- Image Capture and storage capabilities on the local server

- IR Level Arrays Recording capabilities on the local server

- Auto IR Level Arrays Recording and Image Capture on alarm events

SERVER MINIMUM HARDWARE REQUIREMENTS

- Intel Core i7 Gen 7 CPU or better

- 16 GB RAM

- SSD 256 GB (OS & S/W)

- **HDD 4 TB Minimum (Storage)**
  With 4 TB, we can have more than 2000 hours of video alarms stored.

- Dedicated NVidia or AMD Radeon PCI-e Graphics card with at least 1 GB RAM

- 10/100/1000 Ethernet card

Note: We should keep a maximum of 500 sensors per server.

IRIS7
INFRARED INNOVATIVE SOLUTIONS

SEEING WITHOUT LIMITS!