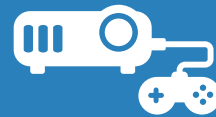


# Simple Projection

Be in control



# Table of Contents

A- Hardware and Tools	1
i- Router	
ii- Repeater	
iii-Suitcase	
iv-Cables	
B-Software and Features	3
1-Choose what to project	
2-Control Features	
3-Recordings Management	
4-Personalisation	
C-Full System Schema	6
D-User Manual	7
E-Q & A	8

## A- Hardware and Tools

### i- Router

We will be using a double antenna router that can provide a big coverage to connect both the IP cams and the Laptop to the same network.



### ii- Repeater

To get the maximum distance possible and to prevent the need of any additional cables or external Antennas we will use a Repeater to ensure that the laptop will be able to reach the Camera's Network.

### iii-Suitcase

For an easy transportation and to prevent the need of bags for each component, we're gonna provide a suitcase filled with foam. The layer of foam will be cut so the cameras, router, repeater and cables will fit inside.



### iv-Cables

Depending on the situation and the place, some cables would be needed for the installation. All the needed cables will be provided.

## A- Hardware and Tools

### v- Cameras

For the cameras we will be using 2 IPCams connected wirelessly to the router.

#### Specs:

IR110 IP ptz camera with dyndns

2 way audio

HD resolution

Mjpeg compression format

Simple and quick to setup

Day and night with 11 IR LEDs (night vision up to 10 meters)

Support IR and color filter change automatically

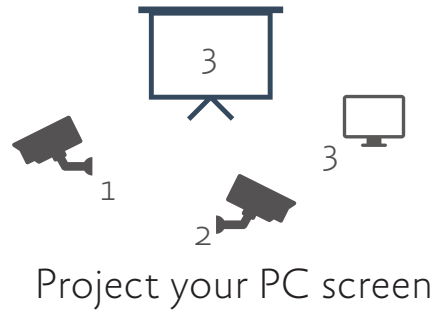
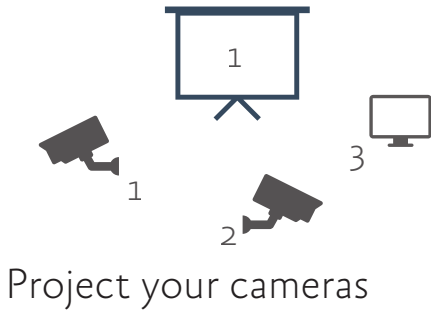
WI-FI compliant with IEEE 802.11b/g/n

1/4 CMOS Sensor

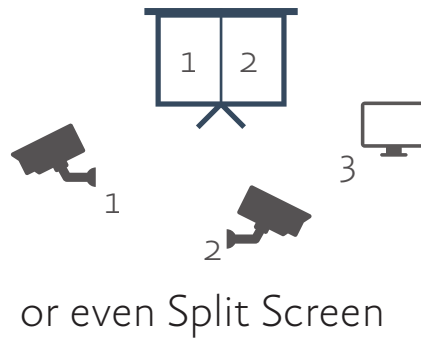


# B-Software and Features

## 1-Choose what to project



## 4-Personalisation



## 2-Control Features



Each camera has its own shortcut to make switching fast and reliable

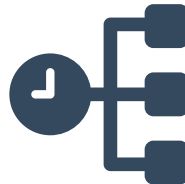
## 3-Recordings Management

Record ongoing presentation or even the cameras



Manage your recordings

By date



By folder



you can even playback your own recordings directly on the projection



## 4-Personalisation



Add new cams

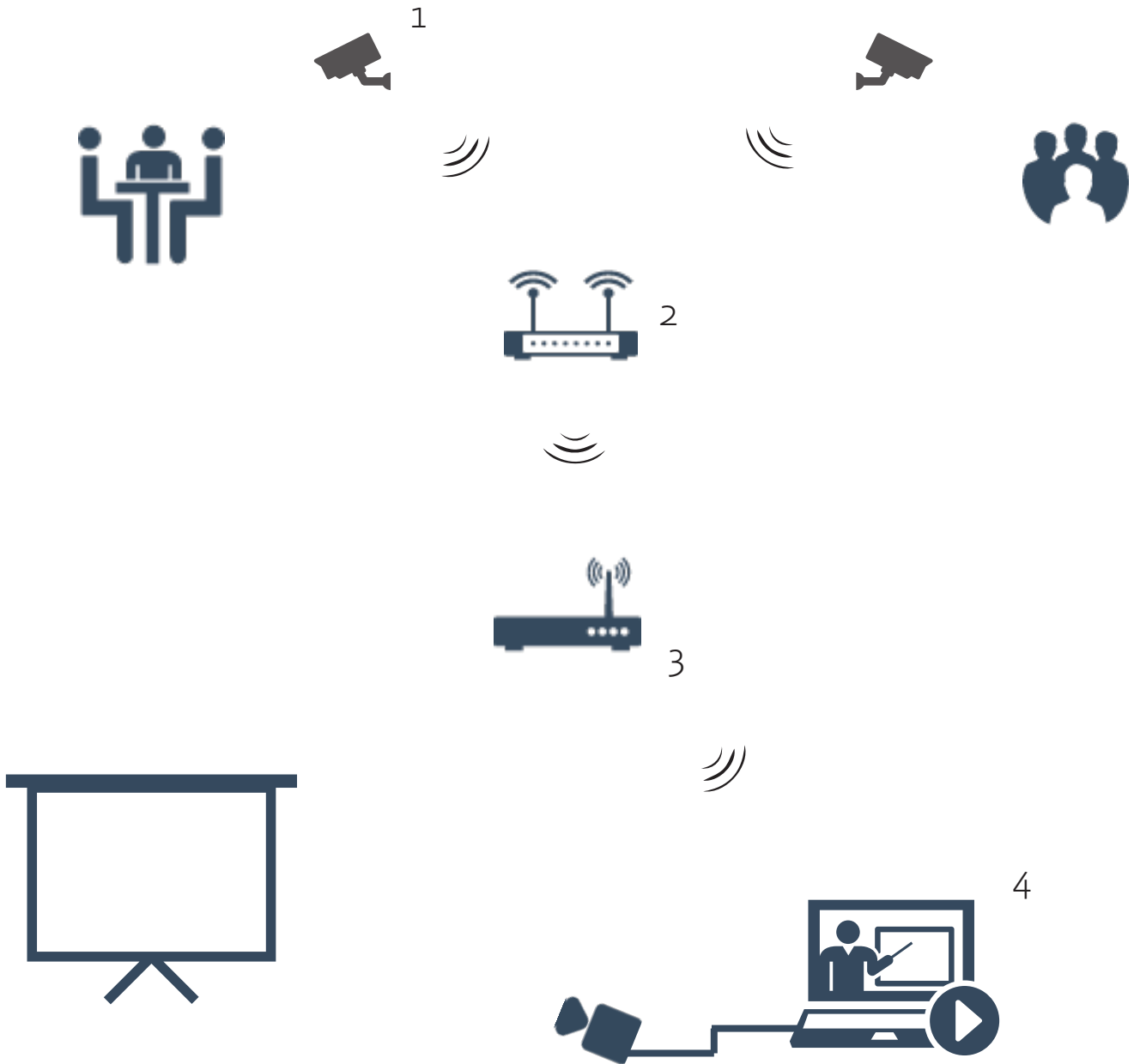


Remove unused ones



Organise them by name or place

# C-Full System Schema



- 1 IP Cams connected via WIFI
- 2 Router
- 3 Repeater
- 4 Laptop connected to the repeater via WIFI



# D-User Manual

The user manual will be available once the project is done and it's gonna be a detailed manual on how to operate and troubleshoot the system.

## E-Q & A

**Q Can we during recording switch from one camera to another?**

**A** Recording is a separate entity and not affected by any other feature. Once the recording button is clicked for a specific screen or camera, it should be paused/stopped manually.

**Q What Features can be used during playback?**

**A** Playback will be provided using Windows Media Player or the Java Media Player where you can benefit from all their features.

**Q Is the recording made by the cameras or the system (on Lap Top)?**

**A** The system will capture the image from the camera and we will record it upon user request at a selected physical location.

**Q Is there any implication on system if use different type of cameras?**

**A** The only implication will be related to the configuration part and it is related directly to the type of the new hardware used.

**Q How much time do you need to develop the entire system?**

**A** The System will need 30 days after the official approval