

Master en Deep Learning for Video and Audio Signal Processing

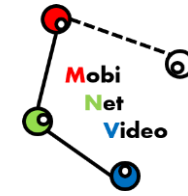
Real-time camera operation and tracking for the streaming of teaching activities.

Master Thesis

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OUTLINE



1. INTRODUCTION

2. HOW IT WORKS?

3. DEMO

1. Introduction

- Motivation: The primary driving force of this work comes from the Lab's urgent needs to offer students the opportunity to attend a remote event from home or anywhere in the world in real-time.
- Pan, Tilt and Zoom Camera (PTZ Camera)

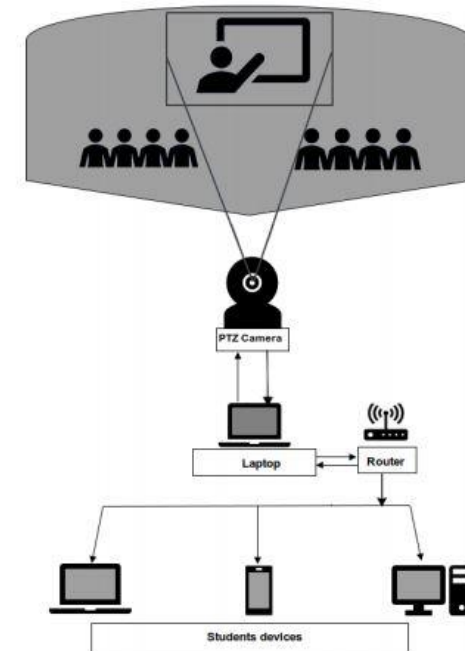
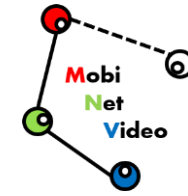


Figure 2: General over-view of the proposed system.

OUTLINE

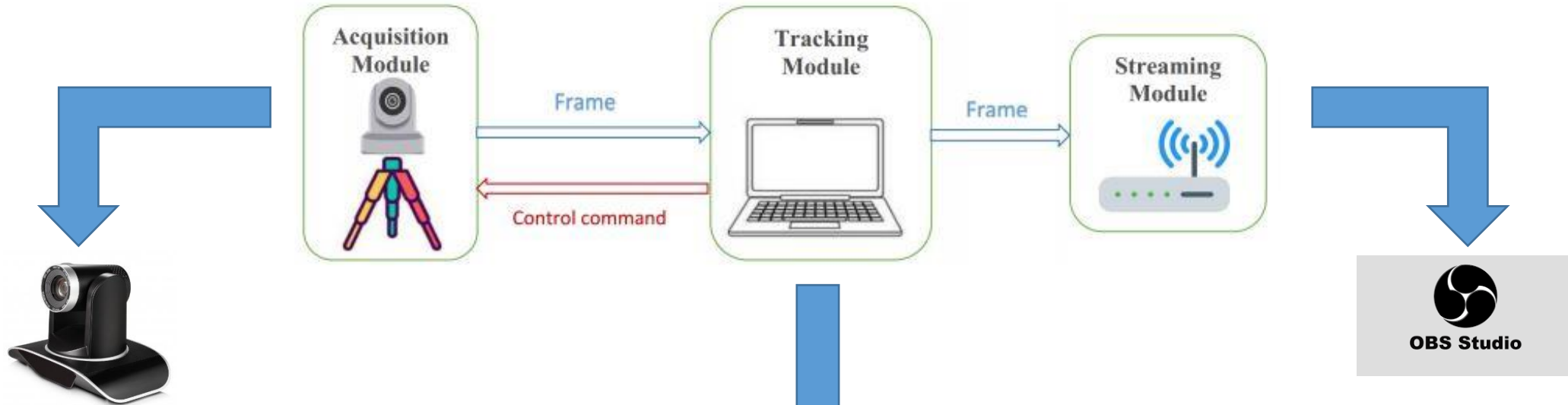


1. INTRODUCTION

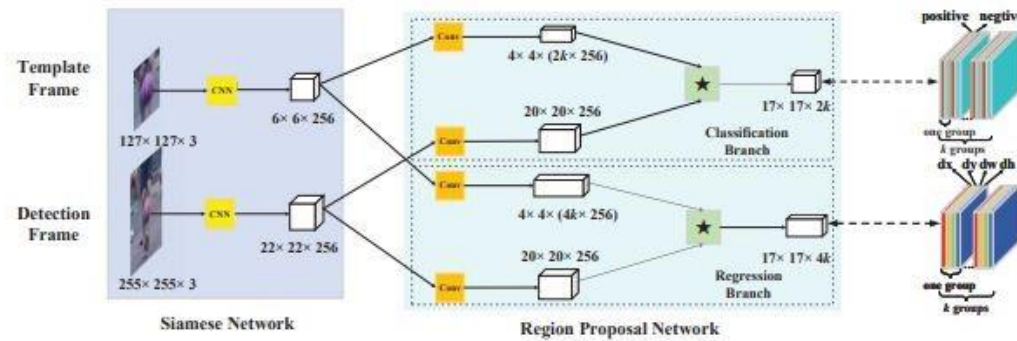
2. HOW IT WORKS?

3. DEMO

2. How it Works?



UV950A-12-U3 Minrray PTZ

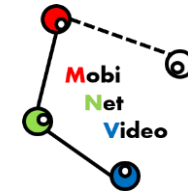


SiamRPN

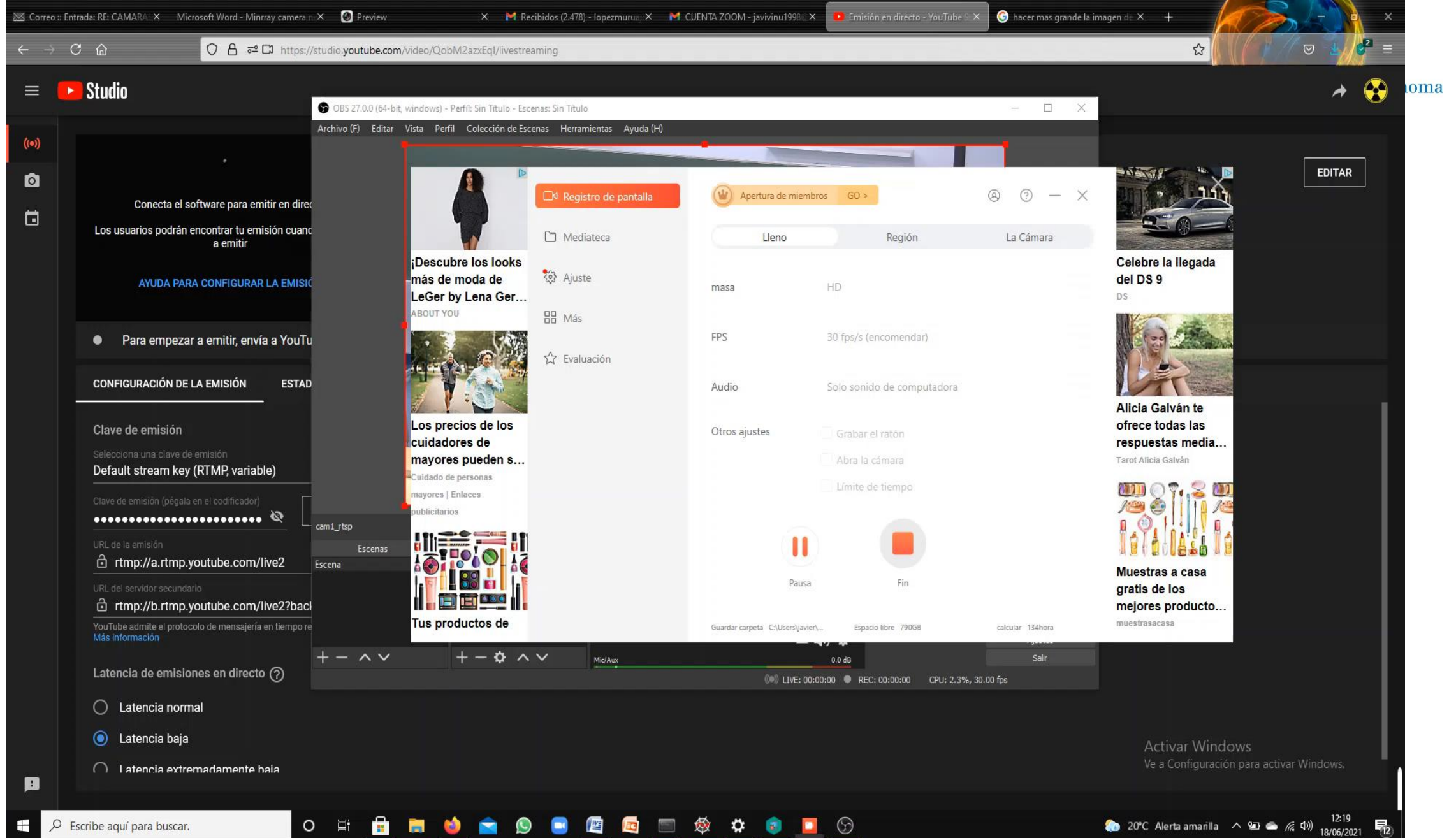
YouTube

OBS Studio +
Youtube

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The image shows a screenshot of a Windows desktop with OBS Studio running. The OBS interface is in the foreground, displaying a scene titled "Escena" with a preview window showing a woman. The OBS settings panel is open, showing the "Registro de pantalla" (Screen Capture) settings. The settings include: "Mediateca" (Library), "Ajuste" (Adjust), "Más" (More), and "Evaluación" (Evaluation). The "Apertura de miembros" (Member Access) is set to "Lleno" (Full). The "Región" (Region) is set to "La Cámara" (The Camera). The "FPS" is set to "30 fps/s (encomendar)" (30 fps/s (recommend)). The "Audio" is set to "Solo sonido de computadora" (Only computer sound). The "Otros ajustes" (Other settings) include "Grabar el ratón" (Record mouse), "Abra la cámara" (Open camera), and "Límite de tiempo" (Time limit). The "Guardar carpeta" (Save folder) is set to "C:\Users\javier\..." and the "Espacio libre" (Free space) is 790GB. The "calcular" (calculate) button shows "134hora". The "Salir" (Exit) button is also visible. The OBS status bar at the bottom shows "LIVE: 00:00:00", "REC: 00:00:00", and "CPU: 2.3%, 30.00 fps".

In the background, the YouTube Studio interface is visible, showing the "CONFIGURACIÓN DE LA EMISIÓN" (Stream Settings) page. The "Clave de emisión" (Stream Key) is set to "Default stream key (RTMP, variable)". The "URL de la emisión" (Stream URL) is "rtmp://a.rtmp.youtube.com/live2". The "URL del servidor secundario" (Secondary server URL) is "rtmp://b.rtmp.youtube.com/live2?back". The "Latencia de emisiones en directo" (Live broadcast latency) is set to "Latencia baja" (Low latency). The "Activar Windows" (Activate Windows) watermark is visible in the bottom right corner.

Questions

