

# **SETTING UP OF AN ANALOG SURVEILLANCE SYSTEM**

**Aim :** To get familiar with connection of analog cameras to Digital Video Recorder (DVR)

## **Equipment required :**

- Digital Video Recorder (DVR)
- Analog Cameras
- Stripped RJ45 cables
- Display / Monitor with VGA connector
- Keyboard , Mouse
- Network Switch
- Balun Transmitter and Transceiver

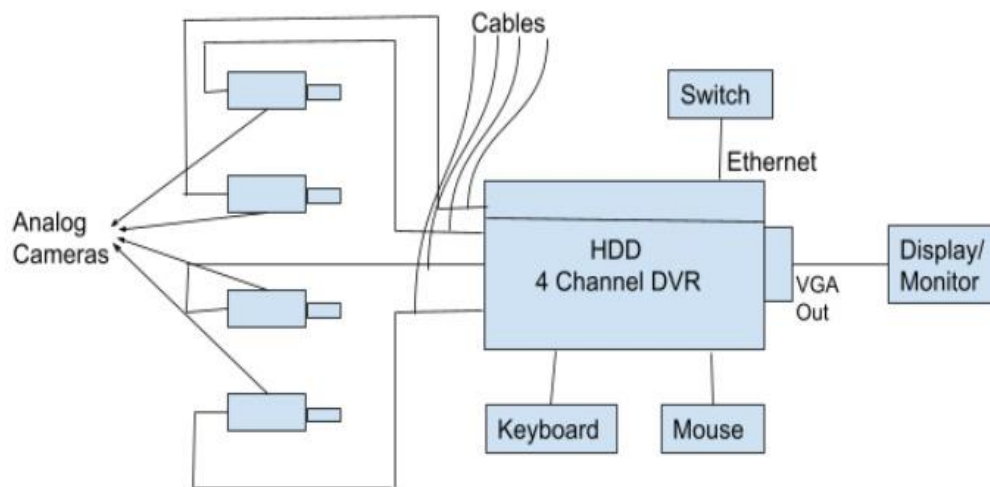


Fig 1 : Connection setup of an analog surveillance system

★ **Some important steps to setup the connection**

- Removing the RJ45 connector and stripping the wire

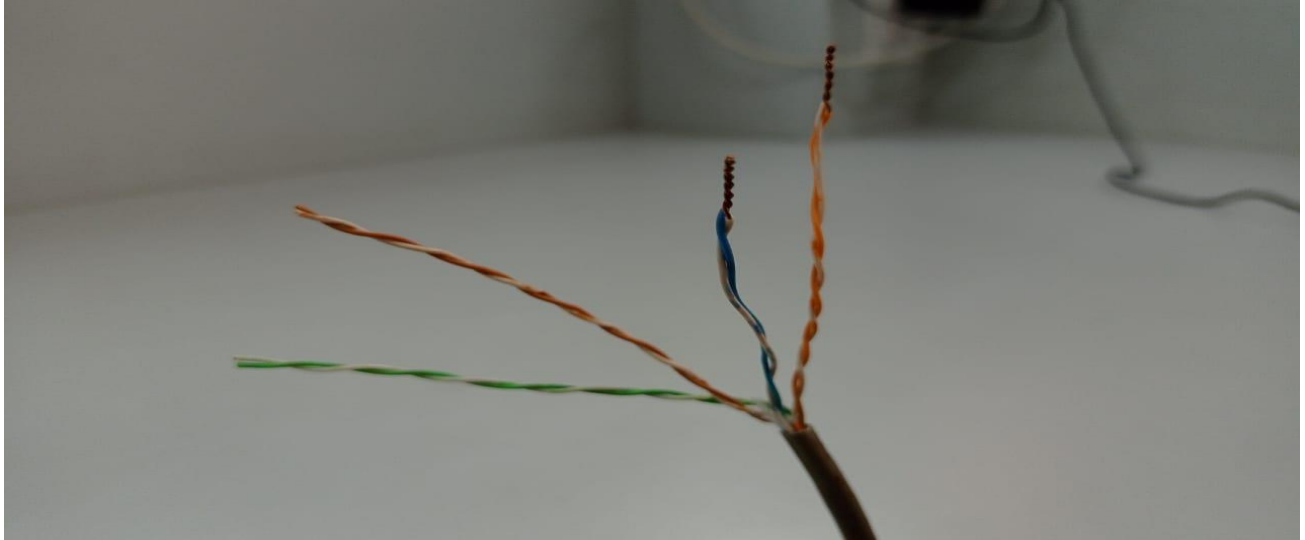


Fig 2 : Stripped wire

- One end of the wire is connected to the DVR and another end is connected to the analog camera with the help of balun transmitters and transceivers.



Fig 3: One end of the wire is connected to camera with the help of balun

-An analog camera has two connectors one for transmission of data and another for power supply

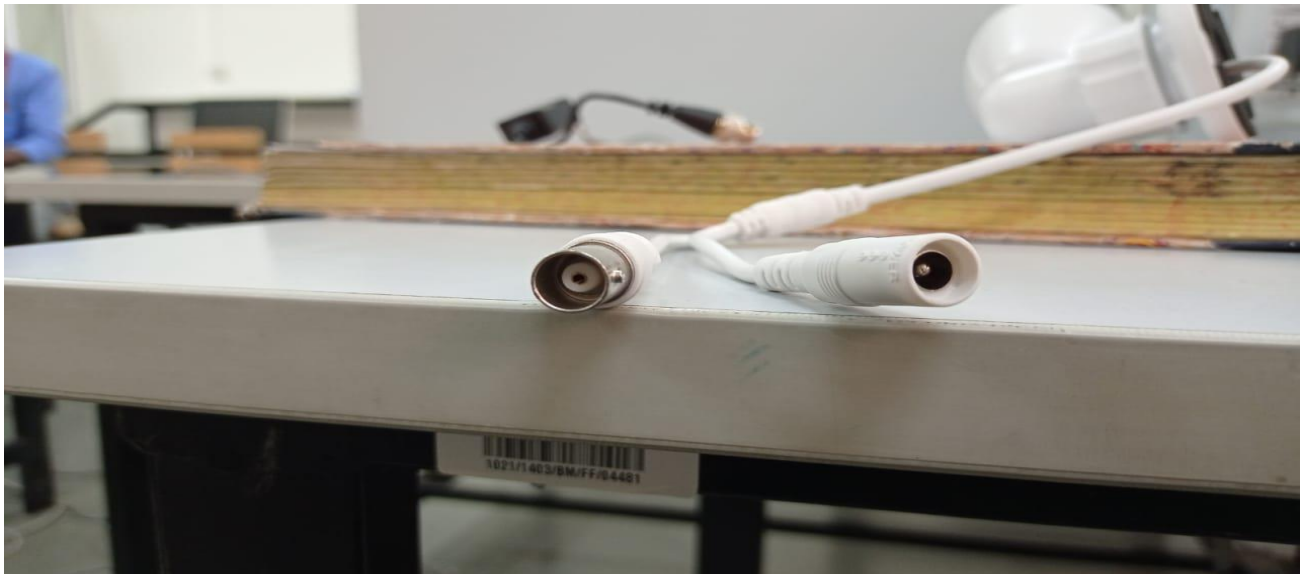


Fig 4 : Two connectors of the analog camera

-A power adapter is connected to the another connector of the camera.

-A back view of the DVR



Fig 5 : A view of all the ports in the DVR

-A DVR with all the connections

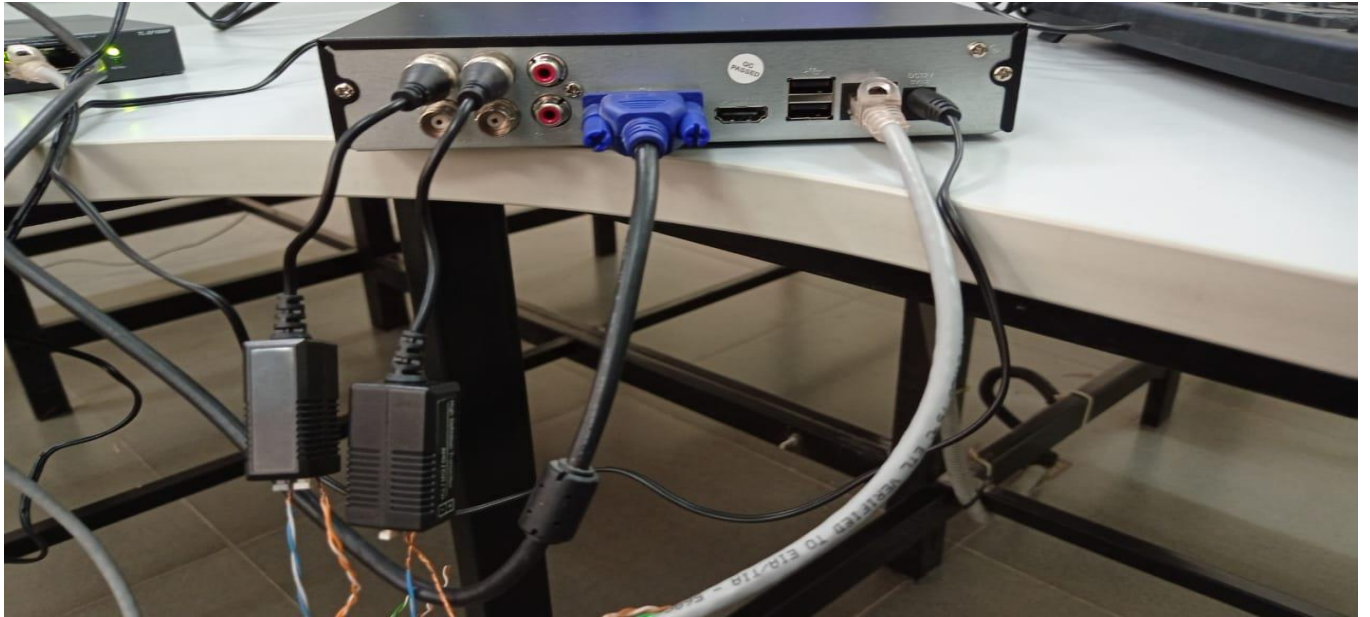


Fig 5 and 6 : DVR with two analog cameras , one display , one network switch ,one keyboard , one mouse and power supply connected.



-Final output on the monitor/display after all the connections

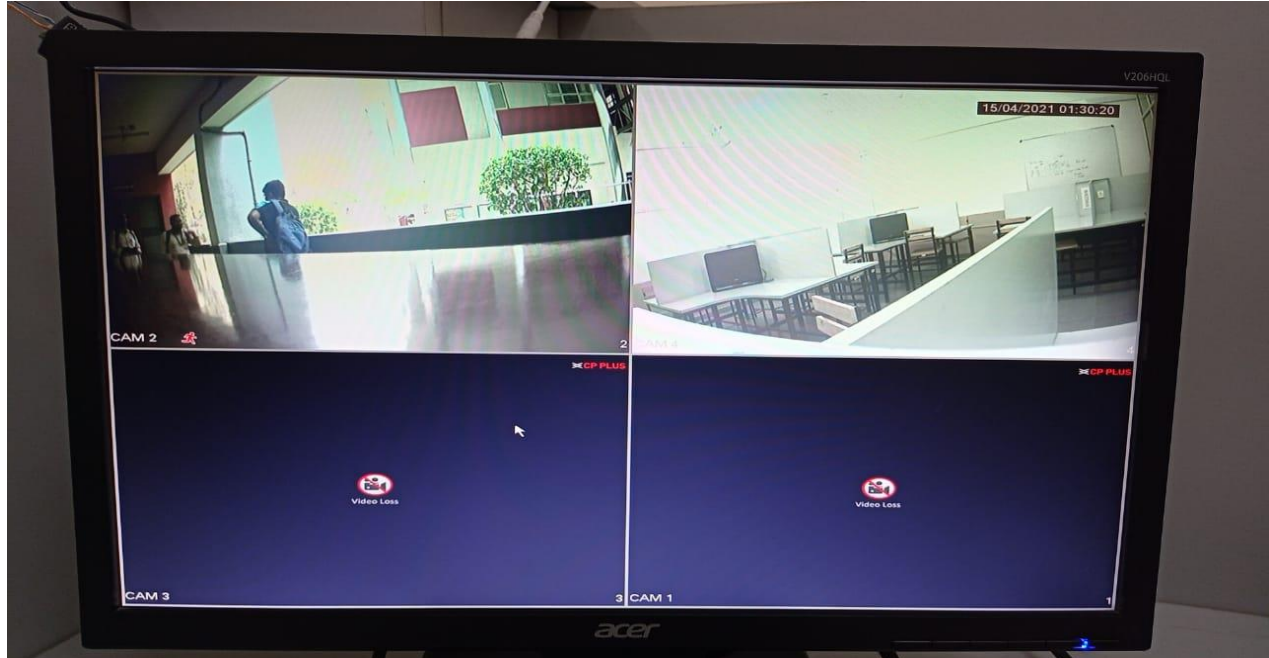


Fig 7 : Display of CCTV footage on monitor

- **ACCESSING CAMERA OVER LAN**

-A switch connected to the DVR



Fig 8 : A network switch connected to a computer and the DVR

-Once the system is connected to the LAN a user can access the live CCTV footage by entering the IP address which is configured in the DVR.

-Then the user has to enter username and password to get the access.

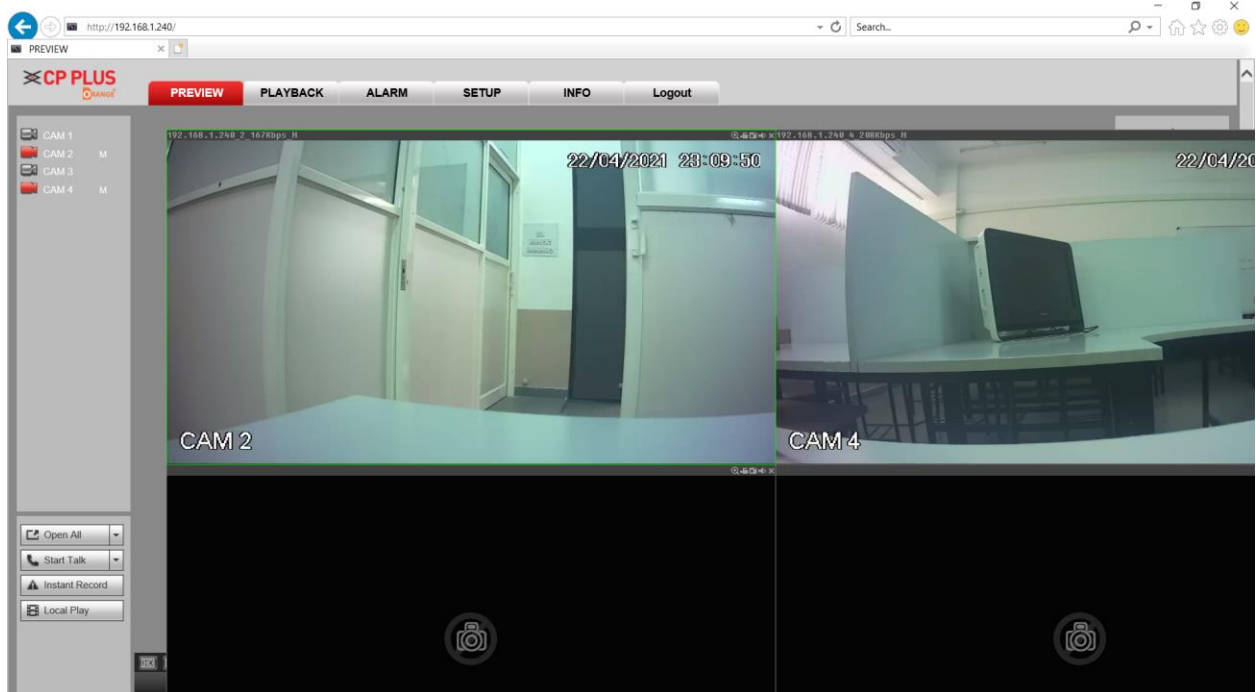


Fig 9 : Interface the user gets after successful login.