```
======Hardware requirement======
Raspberry Pi 4b (Raspberry PI Lite OS)
32G SD-Card
4T SATA HDD + SATA to USB convertor
IP cameras (Reolink wifi camera) \ NOT Cloud managed camera
========Assume=======
Install Raspberry OS
Connect IP cameras to the network and enable RTSP (streaming)
========Static IP==========
sudo nano /etc/dhcpcd.conf
interface eth0
static ip address=10.1.1.4/24
static routers=10.1.1.1
static domain_name_servers=10.1.1.1
=======recording script=======
Bellow script will record footage 1hr per file and keep 7 days footages
nano cam1.sh
      #!/bin/bash
      now=`date '+%Y-%m-%d-%H-%M-%S'`
      ffmpeg -rtsp_transport tcp -i rtsp://username:password@<Camera-IP-address>/live1.sdp
      -t 3600 -vcodec copy /mnt/CCTV01/Cam1/cam1_$now.mp4
      find /mnt/CCTV01/Cam1 -type f -mtime +7 -exec rm {} \;
chomd +x cam1.sh
sudo apt-get install ffmpeg
======auto mount USB Disk=======
// find the disk /dev/sdb
sudo fdisk -l
// modify the disk and partition
sudo fdisk /dev/sdb
      p print the partition table
      d delete a partition
      n add a new partition
//format partition to exfat
sudo mkfs.exfat -n CCTV01 /dev/sdb1
//add the disk to auto mount
sudo blkid
```

sudo nano /etc/fstab
UUID=ED3D-D3BB /mnt/CCTV01 exfat auto,nofail,noatime,users,rw,uid=pi,gid=pi 0 0
mkdir /mnt/CCTV01
Chmod 777 /mnt/CCTV01
sudo chown -R pi:pi /mnt/CCTV01
sudo apt install exfat-fuse
reboot

Browseable = yes Writeable = Yes only guest = no create mask = 0777 directory mask = 0777 Public = yes

Guest ok = yes force user = pi force group = pi

crontab -e

0 * * * * /home/pi/cam1.sh 0 * * * * /home/pi/cam2.sh

0 * * * * /home/pi/cam3.sh