

SETTING UP CCTV/ IP CAMERA BEHIND MTNL ROUTER

The article assumes that subscriber has an MTNL broadband ADSL / VDSL internet service.

In today's world security has a very high priority in everyone's life, you may want to watch your children in your house from your office, you may want to watch somebody ill at your house from your office, you may need to keep a track on your Godown, Office, Construction site, Hotel Reception, Lobby of your building, inside the lifts, and many other places . A CCTV system based on a DVR is capable to capture images from many cameras simultaneously and store them for further reference, DVR's with IP connectivity also offer you the ability to view all cameras from distant locations using an internet connection. To start with it is assumed that you have a fully functional ADSL internet connection with STATIC IP and a fully functional DVR based security system.

The following is a example and IP addresses used can be modified as per individual requirements.

- 1) **Configure your MTNL ADSL Modem/router to I P 192.168.1.1**
- 2) **Configure your DVR to IP address 192.168.1.250, Connect the LAN port of the DVR to the MTNL router along with another PC. (do this on a 4 port router or use a 8 port 10/100mbps switch to achieve connectivity for your DVR and PC's simultaneously) Ping the DVR IP and verify that the DVR is responding.**
- 3) **Configure the subnet mask in the DVR to 255.255.255.0 & gateway as 192.168.1.1, Configure DNS servers as 59.185.0.23 and 59.185.0.50 respectively.**
- 4) **All DVRs also have a setting called " PORT", Most of the DVR's have a default port setting of "8080" Assuming your DVR also has a "PORT" setting set to 8080 we now move forward to configure the MTNL ADSL MODEM / ROUTER to forward request from the WAN to the DVR.**
- 5) **To do this, log on to the administration page of your MTNL router IP 192.168.1.1**
- 6) **Enter the username "admin" & password "admin" (or whatever that you have set)**

- 7) Go to the section Called "Port Forwarding" this is located under the subhead of Advanced or NAT in various routers.**
- 8) Create a static LAN client with ID: DVR and IP 192.168.1.250**
- 9) Under port Forwarding or NAT forward WAN port (Public port) 8080 to Private Port (Internal port) 8080 for IP 192.168.1.250**
- 10) The above setting instructs the router to send all requests on port 8080 from the Internet to the DVR's port 8080.**
- 11) Finally save your settings and reboot your router.**
- 12) Test that your internet connection is functioning.**
- 13) Go to another internet connected PC open the browser and type <http://yourstaticIPaddress:8080> you should be able to see your cameras.**