Remote IP intro and CCTV kit demo
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Remote IP Introduction

Remote IP's offerings the following solutions:

- Ability to send a fixed IP address on all outbound traffic, allowing any kind of satellite, cellular or foreign roaming user to access sites reserved for residents.
- Apply QoS to VoIP specifically SIP calling over any satellite circuit, allowing the use of any VoIP services with minimal call delay.
- Ability to directly connect to the above fixed IP address for remote access to IP end points behind any satellite or cellular modem.
- Ability to use several VPN types normally blocked by some networks such as Tooway Ka satellite networks such as IPSec, PPTP, L2TP, etc.
- Ability to have several fixed IP addresses on one router for remote access purposes.
- Operate remote CCTV cameras and systems using low level satellite or cellular connections.
- Allow journalists to log in to secure systems with pre-determined fixed IP addresses from any location on the planet!
- Ability to bond several satellite or cellular internet connections together and present as one connection with one or multiple fixed IP addresses on the outbound traffic.

Field Demo

This field demo will show the Remote IP router operating remote CCTV cameras and systems using cellular connections.

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Kit used in demos

Pelicase containing:

- 1 Remote IP router (with SIM) [1]
- 1 Hickvision NVR [2]
  - xxx
- 1 Hickvision camera encoder [3]
  - xxx
- 1 speaker for two way communication [4]
- 2 bullet cams with suction pads [5]
  - Interlogix TVL-0103 TruVision Covert Lens, 1.3MPx, Cylinder, 4mm, 2M Cable
- Powered via mains or car aux/lighter outlet
- Video feeds are viewed from Hickvision app which is explained later

Video sample

Top two screens are front and rear camera in car/peilcase #2.

Bottom two screens are front and rear camera in car/pelicase #1.

Click to view

Notes:

1. Cars in two locations 20km apart.
2. Poor network connection in car #2, from where video feeds viewed.
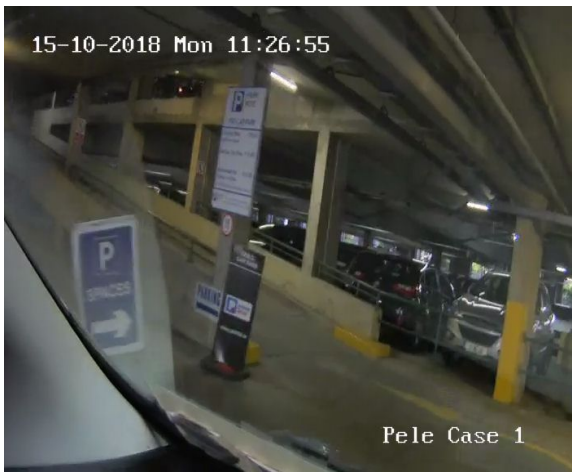
Image Samples

Front

Front

Front

Rear

Front

Front

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How to Use HikVision CCTV iVMS-4500

Hickvision CCTV iVMS-4500 app can be used on iOS or Android.

What is iVMS-4500

iVMS-4500 is a mobile phone surveillance application from HikVision, which is available on iPhone and Android phones, supporting Hikvision CCTV Camera, DVR, HD-TVI CCTV Camera, IP Cameras, NVR, etc. The key features of HIKVISION iVMS-4500 Mobile Surveillance Application include:

- Real-time video live view of up to 16 channels;
- Remote playback of CCTV Cameras
- PTZ control and CCTV camera movement, pinch to zoom in and out in preview mode;
- Support for preset activation and configuration, as well as calibration for brightness.
- Snapshot and video recording support;
- Management of up to 256 sets of devices. Device profiles can be added / deleted / modified.
- Integration of the Hik-Connect - Hikvision's own P2P Service

Download Links

iOS https://itunes.apple.com/ie/app/ivms-4500-lite/id441697527?mt=8

Android https://play.google.com/store/apps/details?id=com.mcu.iVMS

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Setting up on Android/iPhone

If you have installed the CCTV Camera, or IP Camera system from us, and would like to find out how to use HikVision CCTV App iVMS-4500 on iPhone & Android phone, kindly follow the following comprehensive tutorials with image explanations. We will use iPhone as the illustration, the workflow is the same for Android phone.

1. Go to the "App Store", or "Play Market", download the app: iVMS-4500. These are the links: iVMS-4500 on App Store, iVMS-4500 on Google Play Store

2. After downloading is complete, click the app iVMS-4500 to open it

3. The first thing you need to do after opening the app iVMS-4500, is to add the Hikvision CCTV Camera / DVR / IP Camera / NVR to your application. Click the top left "menu" icon as shown below.

4. Click "Devices", followed by the "+" icon on the top right corner. Select "Manual Adding".

5. Now you are adding the Hikvision CCTV Camera / DVR / IP Camera / NVR to the iVMS-4500. Follow the instructions on the screen below. Remember to click the "Save" icon on the top right corner after you have entered the right information. Don't worry about the "Camera No.", as it will change automatically once you have entered all the correct information.

Alias	[Unique Name for Pelicase]
Register Mode	IP/Domain
Address	[IP Address supplied/on router]
Port	7787
User Name	[As supplied]
Password	[As supplied]
Camera No.	Will be displayed automatically once connected

6. To start to watch the live view, you can either click "Start Live View" at the bottom. Or you can click the top left "menu" icon, following by clicking "Live View".

7. Select the CCTV cameras you want to view at the next step.xx

8. You should be able to see the live view now. If you think the CCTV camera images are not very sharp, follow the instructions on the below screens to switch among different viewing modes.

9. To watch the remote playback records, click the top left "menu" icon, following by clicking "Remote Playback".

10. Select the right start time and end time you want to watch the playback video records. Select the cameras you want to view. And you can watch the remote playback records now.

> **Note: What you do on the iVMS-4500 will not affect your CCTV Camera(s), they work independently.**