

Argus - Remote Surveillance

User guide

Overview

“Argus - Remote Surveillance” is a flexible and easy to use surveillance and monitoring system. It is based on a server component, running on your home PC and a client installed on your mobile smart phone. The system includes advanced features as motion detection, and support for multiple cameras. We have designed the streaming algorithm such to obtain good frame rates even over narrow bandwidth Internet connections.

System requirements

- Video capture device attached to the computer (web cam, digital camera, TV tuner, etc.)
- Personal computer that runs MS Windows (XP, 2000 or NT) operating system and which is connected to the Internet.
- Internet GPRS services activated on the phone.

Quick start

- Make sure that the video capture device is connected and working.
- Run the setup program for the ARS Server.
- Start the ARS Server from the start menu: **Start -> Programs -> ARS Server**
- When started for the first time the server will request a password and two port numbers.
The password does not allow unauthorized access to your server. The port numbers are used for streaming and commands. Usually the default port numbers 7000, 7001 are available. If these ports are not available on your system please chose another numbers. Make sure you will set the same password and port numbers on the client application (on the phone). These settings can be changed anytime using the **Settings** menu.
- Next you should see the image captured by the camera in the server preview window.
- At this point you should start the phone application (“Argus RS”).
- When started for the first time it requests the server IP, the port numbers and the password. The ports and password must match the ones you have set on the server. The IP is the address of the machine where the ARS Server was installed.



- After that the application will connect to the server and will display the images captured by the camera.

Motion Detection

Motion detection can be turned on while the system is connected. To do so you should select **Standby** menu item. This will send the application into the background. During standby the traffic over GPRS is minimum, the system can stay in this state for a long period of time. (This feature is useful when your service provider charges you on Internet traffic not on the time spent online.)

The system will exit standby mode either when motion is detected or when the application is activated and the **View** menu is selected. In the case when motion is detected a high note sound will be played for ten seconds. The sound can be canceled using **backspace** key. The backspace key is marked with a “c” on the majority of the phones.

Motion detection sensibility can be adjusted from the ARS Server menu **Settings->Motion Detection**. Selecting high sensibility might generate false alarms.

Multiple Cameras

If you have more video devices connected to the computer the ARS Server will automatically discover and use them. A list of the video devices can be obtained selecting the **Device** menu from ARS Server. Here you can select also the current device.

On the phone you can change between cameras using **Next Camera** and **Previous Camera** menu items. Or you can use the **right arrow** and the **left arrow** from the navigation button.

About Server IP Address

In general there are three situations. The first one is when your computer is connected directly to Internet having a static and visible IP address. In this case you will use the computer IP in the phone settings. You can find the IP for example by the use of ipconfig command.

The second situation is when you have a broadband router or another computer (or any other device) running NAT (masquerading). In this case you must set in the phone settings the IP of the router and to configure the router such to forward the streaming



and command ports to the machine where ARS Server is installed. Port forwarding should be documented in your router manual.

The third case is when you do not have a static IP or when your IP is not visible. For example the router performing NAT is located at your ISP so it is out of your reach. In this situation you can use **Argus - Remote Surveillance Router Service**. On ARS Server the menu item **Settings->Router Settings** allows you to enter the ARS Router IP and the phone IMEI. Please contact us for more details.

Final Note

We offer a full feature ten days evaluation period. During this time you should fully evaluate the product.

The software system is provided for use “as is” without warranty of any kind. Also we cannot be held responsible for any damage produced by the failure or malfunction of the system.

