

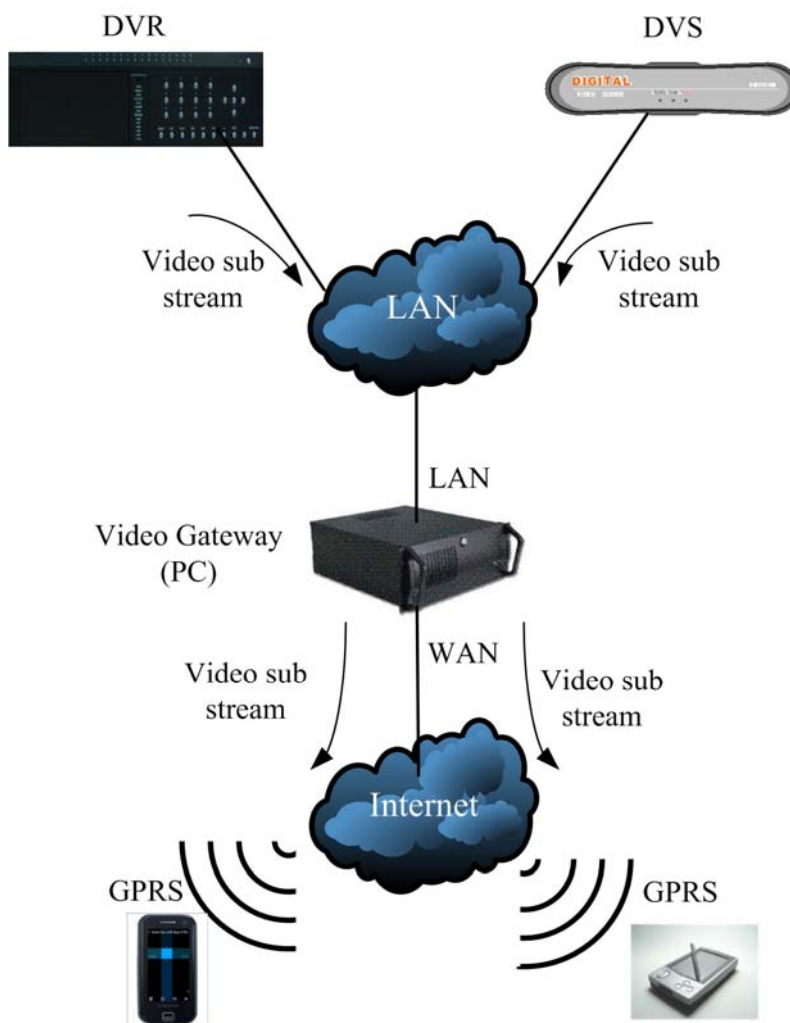
**Cell Phone / PDA Surveillance Software**  
**User Manual**  
**V1.0**

Index

Cell Phone / PDA Surveillance Introduction .....3  
    Typical Application Introduction .....3  
Part 1: Cell Phone / PDA Surveillance Software .....4  
    Chapter 1: Function Description of Cell Phone Surveillance Software .....4  
        1.1 Function Description.....4  
        1.2 Feature Description .....4  
        1.3 Operating Environment .....4  
    Chapter 2: Cell Phone / PDA Surveillance Software Guide.....5  
        2.1 File Description .....5  
        2.2 Operation Guide .....5  
            2.2.1 Menu Description.....5  
            2.2.2 Server Configuration.....6  
            2.2.3 Server Log On.....7  
            2.2.4 Live Video Browse.....8  
            2.2.5 PTZ Control .....11  
            2.2.6 Stop Browsing Video.....12  
            2.2.7 Log Off / Exit .....12

## Cell Phone / PDA Surveillance Introduction

### Typical Application Introduction



Video gateway is one software run in PC server. It is used to manage DVR/DVS devices, manage cell phone or PDA login users, and live video stream transmission. This video gateway PC server should have one fixed Internet IP so that cell phone or PDA can login video gateway through Internet.

In cell phone or PDA, Java decoding software will be run. Cell phone or PDA can login video gateway server, and get live video sub stream (QCIF video compression resolution) for decoding.

## **Part 1: Cell Phone / PDA Surveillance Software**

### **Chapter 1: Function Description of Cell Phone Surveillance Software**

#### **1.1 Function Description**

Cell phone surveillance software can logon the video gateway and get the stream from the devices it dispatched, and then decode it and finally output to the phone screen.

Main Functions:

1. Logon the video gateway and acquire video source list according to the user name.
2. Select the video source for viewing, decode the stream acquired from the video gateway, and display it real time on screen.
3. Achieve PTZ control via cell phone buttons.

#### **1.2 Feature Description**

Currently the cell phone surveillance software developing is based on J2ME technology, and use java decode library. It supports P frame QCIF decoding in 2fps.

#### **1.3 Operating Environment**

Hardware environment: Cell phone or PDA (Support CLDC1.0, MIDP2.0 or higher versions).

## Chapter 2: Cell Phone / PDA Surveillance Software Guide

### 2.1 File Description


Installation files include **MobileToDevice.jad** and **MobileToDevice.jar**, copy them to the cell phone or PDA, and run MobileToDevice.jad to enter the installation process.

There are following solutions to download above files into cell phone or PDA:

1. If PC and cell phone support Bluetooth, you can use Bluetooth to download.
2. If PC and cell phone support IR connection, you can use IR to download.
3. Use data cable to connect cell phone with PC, and use corresponding software which cell phone vendor provides to download.
4. For PDA or cell phone with “Windows mobile” OS, install “MicrosoftActiveSync” software in PC to synchronize PDA or cell phone, then you can find PDA or cell phone from PC -> “My Computer”.
5. If cell phone has memory card, you can place memory card into PC card reader, and copy surveillance files into memory card.

### 2.2 Operation Guide

#### 2.2.1 Menu Description

After installation, the main program icon  will be displayed, click on it to enter the main interface of cell phone surveillance software as shown in Figure 1-1:

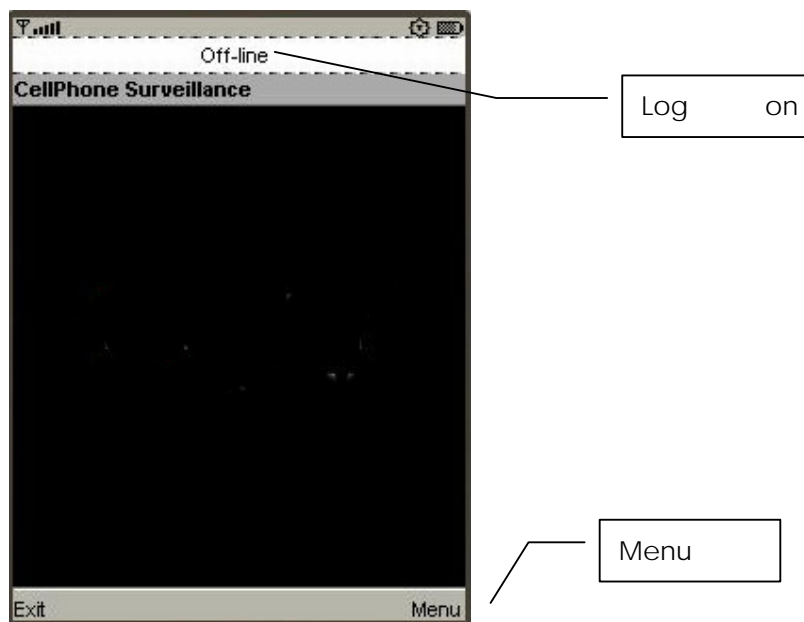


Figure 1-1 Main Interface

**Notes: The [Menu] button will display different name according to different types of cell phone.**

## 2.2.2 Server Configuration

Click [Menu] in the main interface to enter the un-logout main menu as shown in Figure 1-2.



Figure 1-2 Main Menu in Not Log on Mode

Select [Setting] option, press [Enter] button and the server configuration window will popup as shown in Figure 1-3:



The screenshot shows a PDA screen with a 'Setting' window. The window has a title bar with 'ABC' and a signal strength indicator. Below the title bar, the word 'Setting' is displayed. There are four input fields: 'Server IP' containing '208.57.97.210', 'Server Port' containing '8000', 'Username' containing 'admin', and 'Password' containing five asterisks. At the bottom of the window, there are two buttons: 'Back' on the left and 'Save' on the right.

Figure 1-3 Server Configuration Window

Server IP: IP address of video gateway. Video gateway is software run in one PC with fixed Internet IP.

Port: Input the listen port of video gateway. (The defaulted port is 8000)

Username: Input user name to login video gateway.

Password: Input password to login video gateway.

After finishing input, click the [Save] button to save the configuration to database. Then the program will return to the main interface.

### 2.2.3 Server Log On

Select [Login] in [Menu] of the main interface, a dialog box “Is it OK to use network?” will popup as shown in Figure 1-4.

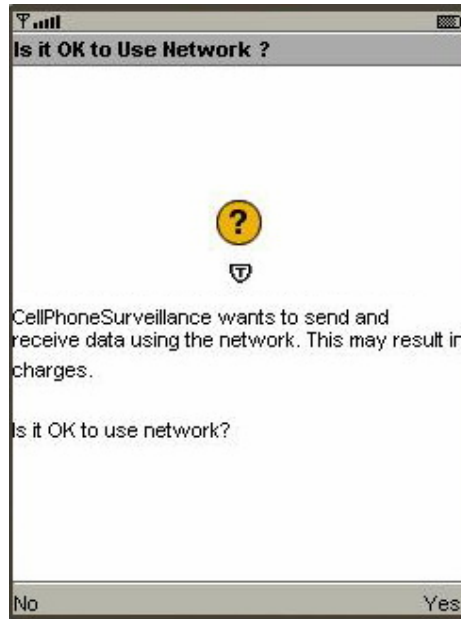


Figure 1-4 Confirm Window on Network Using

Select [Yes] and it shows the message of logging on as shown in Figure 1-5:

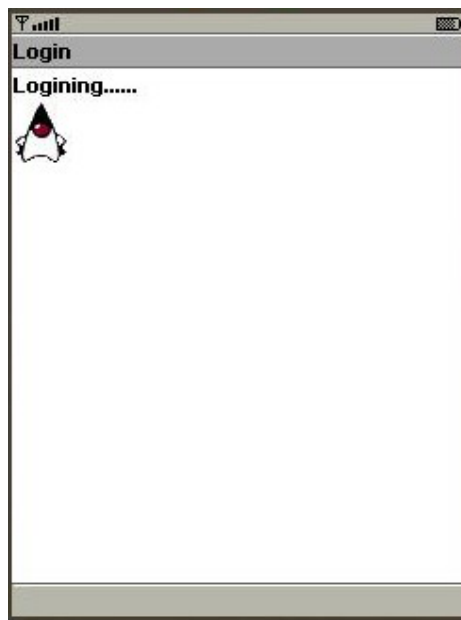


Figure 1-5 Log on Window

After log on successfully it returns to the main interface, and the status will become [Log on]. If not log on successfully, an error message will popup, after confirm it will return to the main interface, and the status will shown [Not Log On].

## 2.2.4 Live Video Browse

The main menu will be refreshed after successfully log on. Click [Menu] to display it as shown in Figure 1-6:



Figure 1-6 Main Menu in Log on mode

Select the [Browse] option to enter the video source list window (Or press the selecting button of mobile phone direction buttons) as shown in Figure 1-7:

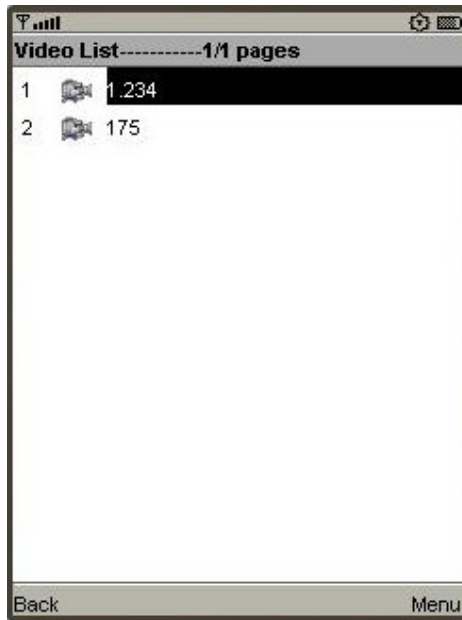


Figure 1-7 Video Source List



Figure 1-8 Menu of Video Source List

The list is displayed in multiple pages, and the up and bottom buttons in the mobile phone are used for selecting upward and downward, while the left and right buttons are used for last page and next page. Select a video source and click [Menu] as Figure 1-8.

1. Select [Browse] option (Or press the selecting button of mobile phone direction buttons), enable network connection and enter the video acquiring window. The video files will be displayed if successfully connected and an error message will be displayed if connecting failed (Video source not existing or Error in acquiring Video files).
2. Select [Detail information] option to check the user privilege on PTZ as shown in Figure 1-9.



Figure1-9 Detailed Information of Video Source

## 2.2.5 PTZ Control



Figure 1-10 Video Browsing Window

Click [Menu] and select [Enable PTZ] as Figure 1-10, then use navigate key (direction buttons) on cell phone to control the PTZ. The up, bottom, left and right button are connected with PTZ rotation in these directions. Click [Menu] after operation finishes and select [Disable PTZ] to lock the button function and avoiding disoperation.



Figure 1-11 PTZ Control Menu

## **2.2.6 Stop Browsing Video**

Select [Stop Browsing] as shown in Figure 1-11 to stop viewing video files and return to the main interface. User can continual to view the video and the system will automatically keep the video file ID. When enter the video file list again next time, it will jump to the position of the last selected file.

## **2.2.7 Log Off / Exit**

Click [Menu] in the main interface and choose [Log off]. After successfully logging off it will return to the main interface, and the status becomes "Off line". You can also select [Exit] directly, the system will automatically log off and then exit the program.