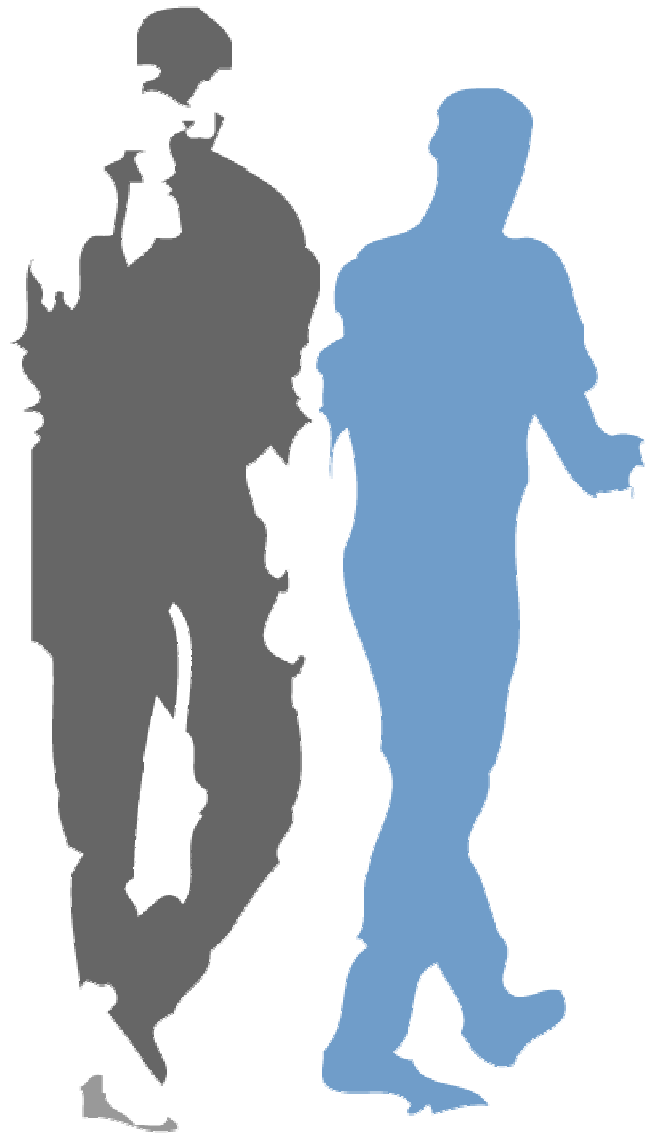


milestone
XProtect

PDA Client 1.0
User's Manual





Target Audience for this Document

This document is aimed at users of the Milestone XProtect **PDA Client** application.

This document provides users with detailed descriptions of *PDA Client* features. It furthermore provides a number of targeted "how-to" examples, guiding users through completing common tasks, including installation.

Surveillance system administrators requiring information about how to install and configure the **PDA Server** on the surveillance system should refer to the administrator's manual for their surveillance system.



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Introduction

Together, the *PDA Client* and *PDA Server* applications enable remote access to the Milestone XProtect surveillance system via a PDA (Personal Digital Assistant; a handheld computer device) with a wireless connection.

The *PDA Server* is installed on the surveillance system by the surveillance system administrator.

The *PDA Client* is used for viewing live and recorded images from the Milestone XProtect surveillance system on the PDA.



Example: Viewing of live video in the *PDA Client*.

System Requirements

Operating System	Microsoft® Windows® Pocket PC 2003/2003 SE/Mobile 5.0.
CPU	Intel® StrongARM® or 100% compatible.
RAM	Minimum 32 MB.
Network	Ethernet, 256 Kbit or higher recommended.
Graphics Card	Minimum 320×200, 16 bit colors.

Installation & Configuration

The *PDA Client* is installed on the PDA itself by using a PC with the *Microsoft ActiveSync* synchronization program: First you install the *PDA Client* on the PC, then you use *ActiveSync* to transfer the *PDA Client* from the PC to the PDA.

i Tip: If *ActiveSync* is not installed on the PC, you can download the latest version from <http://www.microsoft.com/downloads/>.

Installing the PDA Client

Note: Before using the following procedure, connect the PDA to the PC, install the *ActiveSync* program on the PC, and set up synchronization with the PDA.

1. On the PC, insert the Milestone XProtect software CD, wait for a short while, select required language, then click the *Install Milestone XProtect PDA Client* link.

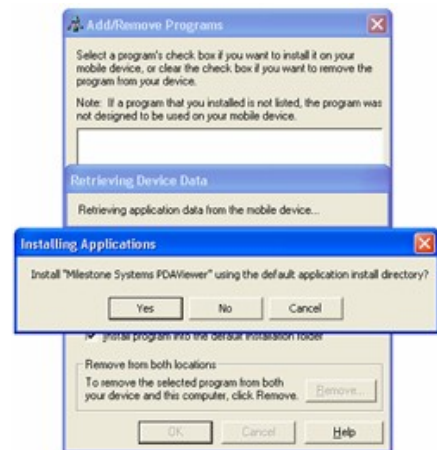
Alternatively, if you are installing a version downloaded from the internet, run the *PDA Client* installation file *Setup.exe* from the location you have saved it to.

i Tip: Depending on your security settings, you may receive one or more security warnings (*Do you want to run or save this file?*, *Do you want to run this software?*). When this is the case, click the *Run* button.

2. Read and accept the license agreement.
3. Select the folder in which to install the *PDA Client* software on the PC.
4. Click *Next* twice to begin the installation process.
5. When installation is complete, click the *Close* button.

After installing the *PDA Client* on the PC, the *ActiveSync* program will display the *Add/Remove Programs* dialog, which lets you transfer and install the *PDA Client* on the PDA:

6. Click *Yes* to install the *PDA Client* in the default location on the PDA.



Checking the Wireless Connection

Before using the *PDA Client*, verify that the wireless connection to the PDA is configured and working correctly.

You can quickly check the wireless connection by pinging the IP address of the PDA from a command prompt on the server on which the *PDA Server* is installed.

What Is Ping?

Pinging is a quick way of determining whether an IP address is available; you simply send a small amount of data to the required IP address in order to see if it responds.

The word *ping*, it is said, was chosen because it mirrors the sound of a sonar.

How Do I Ping?

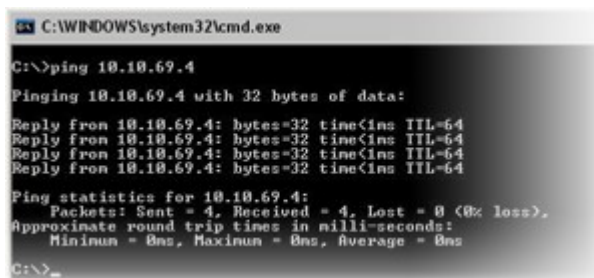
To ping an IP address, do the following:

1. In Windows' *Start* menu, select *Run....* In the *Open* field, type *cmd* and click *OK*.

This will open a command prompt window.

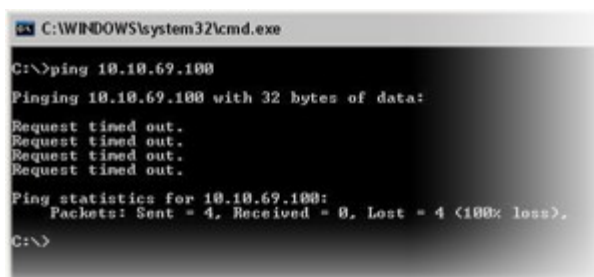
2. Now type *ping* followed by the required IP address (example: *ping 123.123.123.123*), then press *ENTER* on your keyboard.

If the pinged IP address is available, you will see a reply message and some simple statistics (see ping example illustration 1); if the IP address does not respond, you will typically see a *Request timed out* message (see ping example illustration 2).



```
C:\WINDOWS\system32\cmd.exe
C:\>ping 10.10.69.4
Pinging 10.10.69.4 with 32 bytes of data:
Reply from 10.10.69.4: bytes=32 time<1ms TTL=64
Reply from 10.10.69.4: bytes=32 time<1ms TTL=64
Reply from 10.10.69.4: bytes=32 time<1ms TTL=64
Reply from 10.10.69.4: bytes=32 time<1ms TTL=64
Ping statistics for 10.10.69.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
```

Example 1: Successful ping; pinged IP address replies



```
C:\WINDOWS\system32\cmd.exe
C:\>ping 10.10.69.100
Pinging 10.10.69.100 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 10.10.69.100:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

Example 2: Unsuccessful ping; ping request times out

Configuring the PDA Client

You start the *PDA Client* by tapping your PDA's *Start* button, selecting *Programs*, then tapping the *PDA Client* icon.

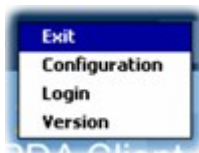
When first started, your *PDA Client* must be configured before it is able to connect to the *PDA Server*.

Note: During configuration you will be asked to specify the *PDA Server's* IP address, port number and virtual directory. Consult your surveillance system administrator if in doubt.

1. Tap anywhere on your *PDA Client's* opening page:



2. Hold down the pointer pen until the a menu is shown:



3. In the menu, select *Configuration*. This will open the *PDA Client's* configuration page:



4. In the configuration page's *Host / IP* field, specify the IP address of the server running the *PDA Server*. In the example in step 3, the IP address of the server is 192.168.128.10.
5. In the *Port* field, specify the port on which the *PDA Server* is running. Default is 8080.
6. In the *Application* field, specify the virtual directory in which the *PDA Server* is installed (on the IIS). Default is *PDAServer/*.
7. Tap *OK* to store the configuration.

You are now ready to use your *PDA Client*; see the next chapter, *Using the PDA Client*, for more information.

Using the PDA Client

Starting the PDA Client

You start the *PDA Client* by tapping your PDA's *Start* button, selecting *Programs*, then tapping the *PDA Client* icon.

Logging In to the PDA Client

1. On the *PDA Client*'s opening page, tap the *LOG IN* link. This will open the login page:



2. On the login page, specify your *Login Name* and *Password*, then tap *OK* to log in.

Camera List Page

When the *PDA Client* has connected to the *PDA Server/Image Server*, a list of available cameras is displayed:

From this page you have access to viewing live and recorded (playback) images.

Viewing Live Images

From the *PDA Client*'s camera list page you have access to viewing live images.



Selecting a Camera for Live Viewing


1. In the camera list, select the required camera.
2. Tap the *LIVE* button.

You will now see live images from the selected camera in the *PDA Client's* regular view, in which about half of the display is available for viewing the images:



If you require a better view of the images, you can easily switch to full screen view; this is described in the following.

Full Screen View

When viewing live images in the *PDA Client's* regular view, tap the *Full Screen* icon  to switch to a full screen (rotated) view:



i Tip: As an alternative to tapping the *Full Screen* icon, simply tap anywhere inside the regular view's live image area.



When in full screen view, tap anywhere inside the live image area to return to regular view.

PTZ Control

If the selected camera is a PTZ (Pan/Tilt/Zoom) camera, you are able to control the position of the camera with the *PDA Client's* PTZ controls.

To move a PTZ camera, tap one of the PTZ control's direction arrows to move the camera in the required direction. Tapping the center button will move the PTZ camera to its home (i.e. default) position.



To zoom in and out, tap the *Zoom* icons  .

You are also able to control the position of the PTZ camera by using the navigation buttons on the PDA itself.

i Tip: If you are viewing the live images in the rotated full screen view, PTZ control with the PDA's navigation buttons is automatically rotated to match the view.

PTZ Preset Positions

If PTZ preset positions have been set up for the selected PTZ camera, you are able to move the PTZ camera to preset positions.

To move a camera to a preset position, select the required position in the *Sel preset* list:



Note: The list is not available when images are viewed in full screen.

Output Control


If manually controlled output (such as lights, sirens, etc.) has been set up for the selected camera, you are able to trigger the output from the *PDA Client*.

To trigger an output, select the required output in the *Sel output* list:



Note: The list is not available when images are viewed in full screen.

Returning to the Camera List Page

To return to the camera list page, tap the *Return* icon .

Note: The *Return* icon is not available when images are viewed in full screen.

Viewing Recorded Images

From the *PDA Client's* camera list page (see *Camera List Page* on page 9) you have access to viewing live images.

Selecting a Camera for Viewing of Recordings

1. In the camera list, select the required camera.
2. Tap the *PLAYBACK* button.

You are now able to browse recorded images from the selected camera:




Browsing and Playing Back Recorded Images

To browse recorded images, tap the *Browse* buttons: 


The *Browse* buttons work just as you are used to from Milestone's other client applications. From left to right, they are:

- *Move to first image in camera's database*
- *Move to previous sequence*
- *Move to previous image*
- *Move to next image*
- *Move to next sequence*
- *Move to last image in camera's database.*

When you have browsed to the required point in time, use the *Playback* buttons: 

From left to right, the *Playback* buttons are:

- *Play backward in time*
- *Stop*
- *Play forward in time.*


To control the playback speed, use the *Playback Speed* slider: 

You are also able to control playback by using the navigation buttons on the PDA itself:

- Left button starts reverse playback
- Right button starts forward playback
- Center button stops playback
- Up and down buttons take you to the next and previous sequence respectively.

i Tip: If you are viewing the recorded images in the rotated full screen view, playback control with the PDA's navigation buttons is automatically rotated to match the view.

Finding Recordings from a Specific Time and Date

If you know the exact data and time you want recorded images from, tap the *Go to* icon .

This will display the *Goto selected data/time* page:


Specify the required date in the *Date* field, and the required time (hours-minutes-seconds) in the *Time* fields, then tap *OK*.

The playback view will now display an image recorded at the specified time.

If no recordings are available from the specified time, the last image recorded before the specified time will be displayed.



Finding Recordings from a Specific Event

By tapping the *Alarms* icon , you are able to view a list of recordings of detected events (occasionally known as alarms) for the selected camera:

To view recordings of an event, select the required event in the list, then tap the *SELECT* button.

The list is able to display up to 16 recorded events at a time.

If the list contains more than 16 recorded events, use the *Browse* buttons to navigate the list:



The two outer buttons take you to the first/last 16 recorded events; the two inner buttons take you to the previous/next 16 recorded events.



Full Screen View

You will normally see recorded images from the selected camera in the *PDA Client's* regular view.

In regular view, only about half of the display is available for viewing the images, as the rest of the space is taken up by the navigation controls. If you require a better view of the images, you can easily switch to full screen view.


When viewing recorded images in the *PDA Client's* regular view, tap the *Full Screen* icon  to switch to a full screen (rotated) view.

i Tip: As an alternative to tapping the *Full Screen* icon, simply tap anywhere inside the regular view's live image area.



When in full screen view, tap anywhere inside the live image area to return to regular view.

Returning to the Camera List Page

To return to the camera list page, tap the *Return* icon . The *Return* icon is only available when using regular view.

Logging Out of the PDA Client

Before closing your PDA, you must log out of the *PDA Client*. You log out by tapping the *Logout* icon on the camera list page.





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