

MOXA SoftDVR™ Pro IP Surveillance Software

Getting Started Guide

First Edition, June 2004



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*This User's Guide contains the basic procedures required to install and operate SoftDVR™ Pro IP Surveillance Software. Refer to the SoftDVR™ Pro/Lite IP Surveillance Software User's Manual for more details. The User's Manual can be found on the SoftDVR Pro CD, or can be downloaded from Moxa's website.

MOXA SoftDVR™ Pro

IP Surveillance Software

Getting Started Guide

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Product Information

Overview

MOXA SoftDVR™ IP Surveillance Software is designed for IP Surveillance systems that use MOXA VPort 2100 Series Video Servers as the Distributed Video Networking solution. With the help of MOXA SoftDVR™, system integrators can seamlessly integrate other applications, such as I/O sensors and alarms, with CCTV systems over an IP-based network.

Two models of MOXA SoftDVR™ IP Surveillance Software are available:

SoftDVR™ Lite (Single-PC version)

- Up to 4-channel (Quad) IP Surveillance Software with video viewing, recording, camera control, video motion detection, scheduling and user authorization management
- Bundled in the Software CD free of charge with VPort 2100 Series Video Servers

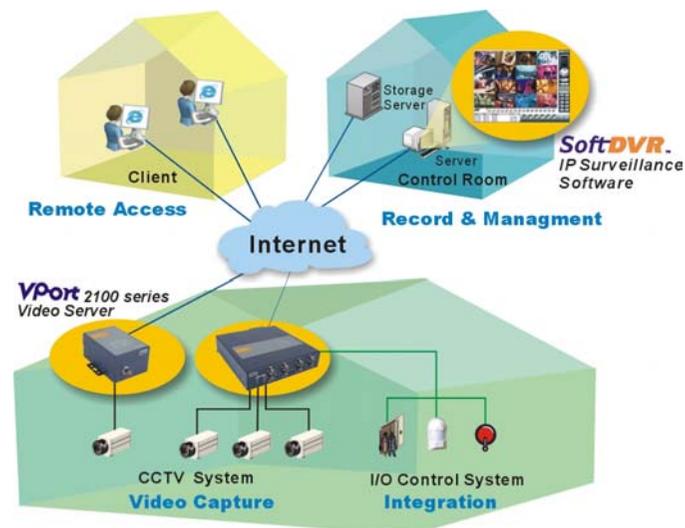
SoftDVR™ Pro (Network version)

- Up to 16-channel IP Surveillance Software with complete video management, alarm message management, and system administration
- Sold with the Software CD containing SoftDVR™ Pro and User's Manual

(Contact your sales representatives to purchase MOXA SoftDVR™ Pro IP Surveillance Software.)

This Getting Started Guide only contains information about SoftDVR™ Pro. For more details, go to www.moxa.com for a complete product introduction and to download the SoftDVR™ Lite/ Pro IP Surveillance Software User's Manual.

Typical Application



Note The **Remote Access** and **I/O Device Management** functions are provided only with SoftDVR™ Pro.

Features

Administration Management and Video Server Control

- Supports MOXA VPort Series Video Servers
- Separately configurable camera names, video quality, and video resolution
- Supports upgrading VPort's firmware remotely
- Can add up to 32 users per system
- User authorization level protection by password
- Supports PTZ camera controls
- Automatically resumes viewing and recording after the system reboots
- Easy camera management with your own e-map

Viewing

- Remote Access from client web browser
(only supported by SoftDVR™ Pro)
- Supports 1, 4, 6, 8, 9, 10, 13, 16 camera viewing formats
(For SoftDVR™ Pro, a maximum number of 16 cameras in the list; for SoftDVR™ Lite, a maximum number of 4 cameras in the list)
- Zoom-in/Zoom-out functions for individual cameras when playing back images
- Viewing and recording by schedule or event triggering for each camera
- Historic playbacks by time or events
- Snapshots taken in playback mode to get JPEG images for printing or saving as evidences
- Adjustable contrast, brightness, sharpness, blurriness, and grayscale of the snapshot images

Recording

- Use advanced MPEG4 compression technology to reduce the storage space required for video recording
- Images recorded in AVI format—compatible with popular media players
- Adjustable recording frame rate over the LAN/Internet to match the real frame transmit speed, and to keep the video synchronized with the actual time
- Overridable HD space in FIFO (First-In-First-Out) sequence
- Recorded video files can be stored on a local PC or a Windows-based networked storage server
(SoftDVR™ Lite does not support storing on a network hard disk)

Alarm

- Video Motion Detection (VMD) function for each camera
- Selectable VMD area for each camera
(SoftDVR™ Lite only supports full image VMD)
- Alarms can be triggered by VMD, video failures, storage full, GPI, and sent via email or GPO, or can trigger the PTZ camera to move to a preset position
(SoftDVR™ Lite only supports VMD, Video Fail alarm)
- System status can be reviewed via the system log

System Requirements

SoftDVR™ Pro

- MS Windows 2000/XP
- Intel 2.4 GHz Pentium 4 or above
- Minimum of 256 MB SDRAM
- VGA card with AGP (x2 above) Interface
- Minimum of 32 MB Display Memory
- DirectX 8.1 or above

SoftDVR™ Lite

- MS Windows 2000/XP
- Intel 1 GHz Pentium III or above
- Minimum of 128 MB SDRAM
- VGA card with AGP (x2 above) Interface
- Minimum of 32 MB of Display Memory
- DirectX 8.1 or above

Note Since a video surveillance system requires a lot of system resources, we strongly recommend that the server you use to run SoftDVR™ Lite/Pro is used solely for video surveillance.

SoftDVR Pro Package List

- Software CD
- Getting Started Guide
- Key Pro

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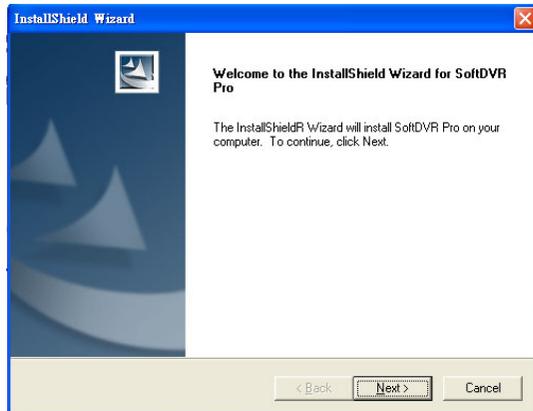
SoftDVR™ Pro Installation

Before Installing the Software

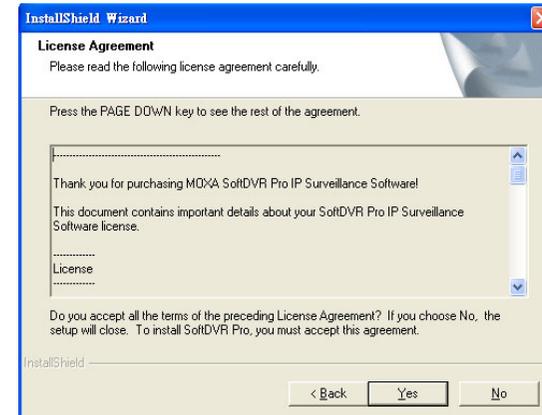
1. Make sure your PC has DirectX 8.1 or above installed.
2. Use the the enclosed software CD.
3. Run **SoftDVRPro.exe**, which is included on the SoftDVR Pro Software CD.

Starting the Installation

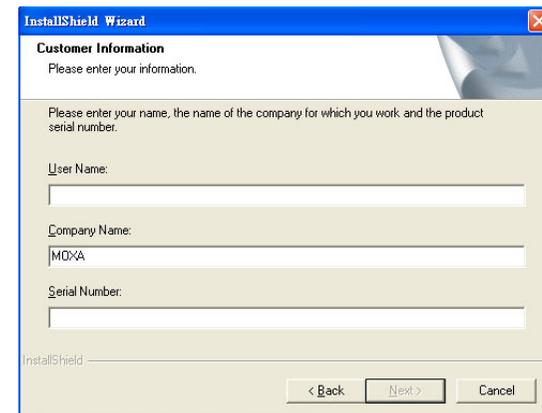
1. The **Installation Wizard** will start. Click on **Next** to continue.



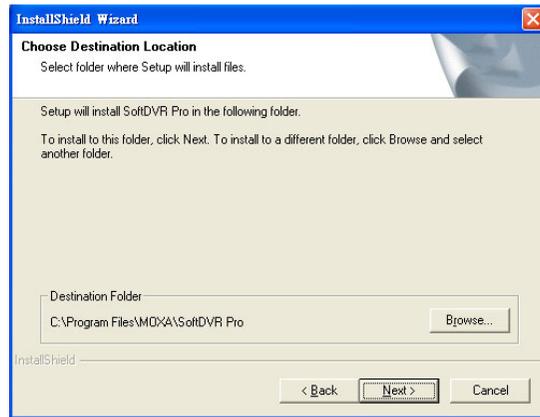
2. The **License Agreement** window will open next. Click **Yes** to continue.



3. Type in the **User Name**, **Company Name** and the product **Serial Number** (printed on the Key Pro; a total of 11 digits), and then click on **Next**.



- The **Choose Destination Location** window will open next. Select the folder you wish to install SoftDVR™ Pro to, and then click on **Next** to continue.



- The **Select Program Folder** window will open next. Select the program folder that you wish the wizard to create an icon for, and then click on **Next** to continue.



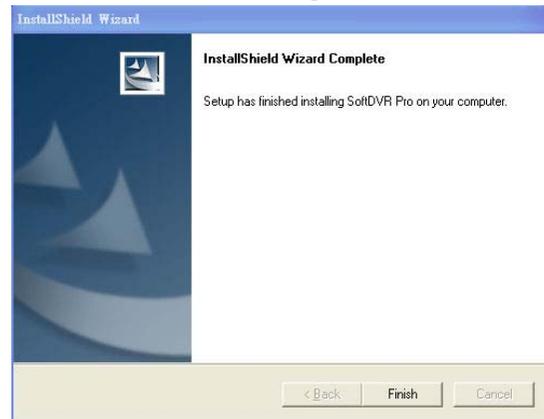
- The wizard will start the installation process.



A digital signature request window will appear during the installation process. Click on **Continue Anyway** to continue the installation.



7. The **InstallShield Wizard Complete** window will open next. Click on **Finish** to complete the installation.



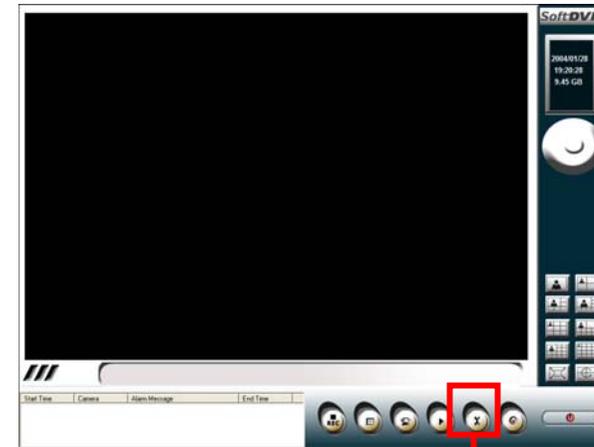
Accessing SoftDVR™ Pro for the First Time

Before using SoftDVR Pro, you need to plug a Key Pro into the printer port to enable the software operation. You can find the Key Pro in the SoftDVR Pro CD box. The driver for this Key Pro is installed automatically during the SoftDVR Pro installation process.



Note This Key Pro protects the SoftDVR Pro license. It will not influence the normal function of the printer port.

To launch the SoftDVR Pro program, click on **Start→Program Files→SoftDVR Pro**. The main page will open next. The resolution is 1024 × 768, without any video image. Click on the **Application Settings** button to set up the VPort and cameras.



Application Settings

Refer to SoftDVR Lite/Pro's User's Manual in the CD for more details about **Application Settings**.

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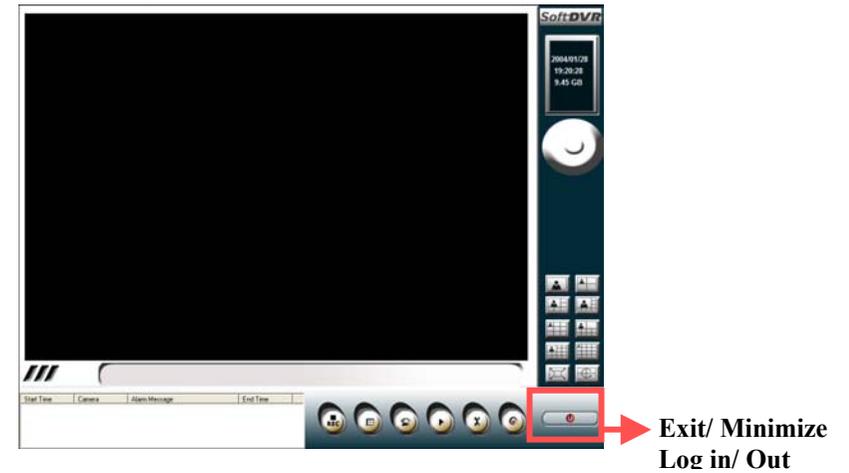
SoftDVR™ Pro General Operation

Authentication

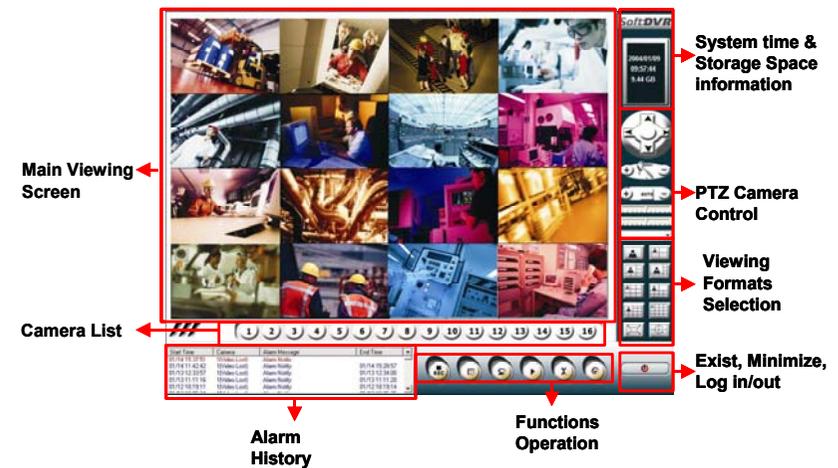
If administrator or users management has been configured to **User Management** mode, an authentication request will appear when accessing SoftDVR™ Pro. For administrators, enter the user name as **admin** or **administrator**, and then enter the password that you set up. For other users, type the given user name and password.



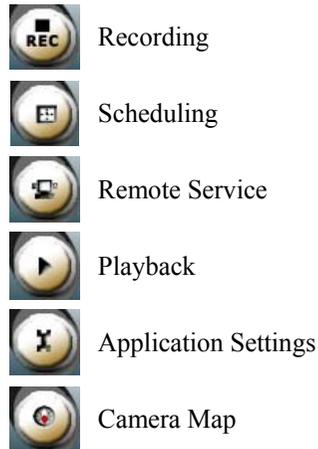
Administrators and users can directly use the Logout/Login function via the Exit/Minimize button located in the bottom right corner of the the main page to exit/access SoftDVR™ Pro.



Functions



Function Buttons



Viewing

SoftDVR™ Pro has 8 viewing formats: 1, 4, 6, 8, 9, 10, 13, or 16 channels on the screen. You can easily change the viewing format by using **Viewing Formats Selection**. You can also select the camera you wish to view/control by clicking on one of the buttons in the **Camera List**. In addition, **Full Screen** and **Camera Scan** are provided for customized viewing.

Recording

To activate the recording function, click on the recording button from the **Function Buttons**. There are 4 kinds of recording, which can be activated separately for each camera:

1. **Monitor only, no recording:** no recording at any time.
2. **Round-the-clock:** recording all the time.
3. **Motion detect:** recording only when VMD is triggered.
4. **Generic Input:** recording only when DI is triggered.

Scheduling

To activate the scheduling function, click on the **Scheduling** button from the **Function Buttons**. The 5 features for scheduling are as follows:

1. Set up the time period by time and weekday.
2. Action items include recording and remote access.
3. Camera selectable.
4. Details of scheduling tasks are described in the task remarks.
5. The editable scheduling task list is provided.

Administrators can set up scheduling tasks on the **Application Setting/Scheduling** page.

Note

The time period setting for **Scheduling jobs** is based on 24-hour time. If you wish to set an 8-hour time task, which will run overnight, you can set up 2 different scheduling jobs, such as 20:00-23:59, and 00:00-04:00.

Note

A **Scheduling job** also includes recording. For this reason, the **Recording** button from the **Function Buttons** on the main page will turn dark to disable the recording function when the **Scheduling** function is active. This is to avoid conflicts caused by the scheduling task and the manual operation of recording and remote service.

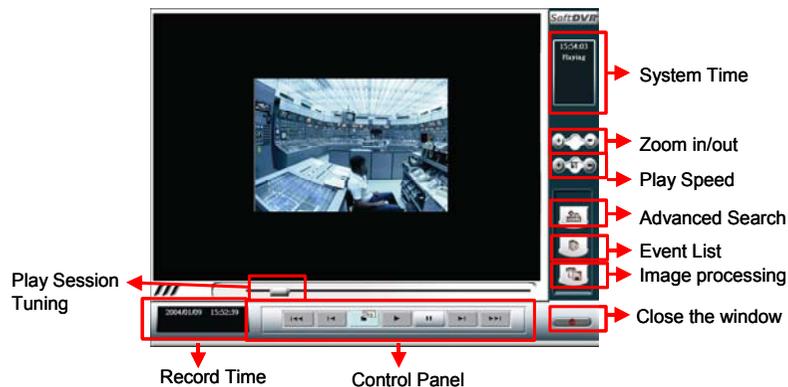
Remote Service

For MOXA SoftDVR Pro, **Remote Service** allows client users to access the SoftDVR Pro from a remote site. Administrators can activate **Remote Service** to let users view real-time video images, and the playback of recorded files via any standard web browser, by typing **http://IP Address of SoftDVR Pro's server** in the address input box.

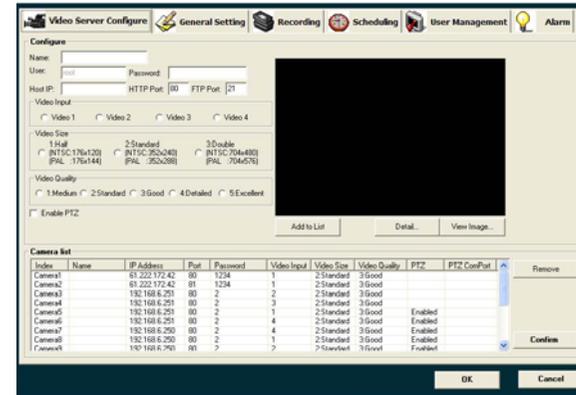


Playback

Administrators and users with authorization can view the playback of historic recorded files via the **Playback** function. To activate the **Playback** function, click on the **Playback** button from the **Function Buttons**. A **Security Playback** window will open to play back the recorded file.



Application Settings



There are 6 major setting categories for SoftDVR™ Pro:

1. **Video Server Configure:** Administrators must configure MOXA VPort Series Video Servers and cameras to acquire video images before using the functions provided by MOXA SoftDVR™ Pro.
2. **General Setting:** From the **General Setting** page, administrators can configure the SoftDVR™ Pro server's host name, the start-up status, storage disk locations, camera caption, camera display, email addresses to send alarms to, and camera scanning intervals.
3. **Recording:** There are 2 major settings on the **Recording** page. One is the recording setting for each camera, and the other is VMD settings.
4. **Scheduling:** Administrators can set up the time period, weekday, tasks, and camera enabling on this page.
5. **User Management:** The administrator's password and user list can be set up on this page. Up to 32 users can be listed. Administrators can also configure camera operation and remote service for each user on this page.
6. **Alarm:** Alarm conditions and actions can be set up on this page. This includes VMD, Video Lost, Connect Lost, Sound, DI/ DO operations, and PTZ camera's actions.

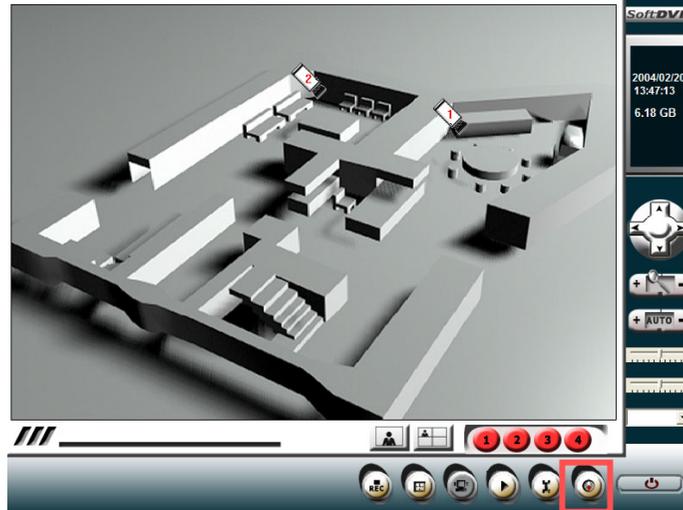
Refer to the *SoftDVR™ Pro/Lite IP Surveillance User's Manual* for more details about **Application Settings**.

Camera Map

SoftDVR™ Pro provides a graphic E-map function for camera management. Administrators can import a layout image and place the cameras on the image for easy management of the number of cameras.

To activate this function, click on the **Camera Map** button.

Administrators can use this function to manage the cameras easily.



Camera Map

A

Service Information

This appendix shows you how to contact Moxa for information about this and other products, and how to report problems.

In this appendix, we cover the following topics.

- ❑ **MOXA Internet Services**
- ❑ **Problem Report Form**
- ❑ **Product Return Procedure**

MOXA Internet Services

Customer satisfaction is our number one concern, and to ensure that customers receive the full benefit of our products, Moxa Internet Services has been set up to provide technical support, driver updates, product information, and user's manual updates.

The following services are provided

E-mail for technical support.....support@moxanet.com

World Wide Web (WWW) Site for product information:

<http://www.moxa.com>

