



Xpy320

INTEGRATED WIRELESS | IP CAMERA



Model: **AILPT324U1**

Integrated Wireless IP Camera

INTRODUCTION

Thank you for purchasing the Nexxt Solutions XPY 320 Camera. Our new XPY is an integrated wireless IP Camera solution that combines high quality digital video camera with network connectivity and a powerful web server to bring a clear picture to your desktop or mobile phone from anywhere on your local network or over the Internet.

BEFORE YOU BEGIN

- This camera is intended for indoor use only.
- Use the supplied power adaptor to connect the camera to the AC mains (5.0V DC, 1.5A).
The warranty does not cover any damage caused by applying the wrong voltage.
- Never attempt to disassemble the unit.
The warranty does not cover damages as a result of tampering with, or the improper alteration of the device.
- Do not point the camera at the sun or at any other strong light source.
- Do not install the camera where it can be exposed to rain or water
- Wait at least 10 seconds when powering the camera on and off. Otherwise, it can cause serious damage to the CPU.
- When updating the camera, please make sure that:
 - the camera is connected directly to a computer using a network cable;
 - all other programs and windows on the computer have been closed;
 - the camera remains connected during the entire firmware update.

FEATURES

- The camera combines a high-sensitivity 1/4 CMOS image sensor with a powerful wireless web server in order to capture clear images from anywhere, and to transmit them instantly on your local network or over the internet.
- Can be used on WiFi or wired networks.
- Selectable image resolution of 640x480 and 320x240 pixels.
- The system can be expanded at any time by adding multiple cameras.
- View multiple cameras in split screen view or choose full screen in order to monitor the activity from a single camera.
- Cameras can be viewed via standard PC or Mac browsers, including Internet Explorer, Safari, Chrome and Firefox.
- Infrared LEDs for night vision (up to 15 meters).
- Includes multi-level user management system, which can be configured with passwords for controlled access.
- Easy-to-use web browser controls. They also allow quick configuration changes via the Settings menu.
- Compatibility with smartphones enables you to view real-time videos over the internet using any standard browser.
- Supports image snapshots and image forwarding via email and FTP upload.

NOTES ON WINDOWS AND MAC COMPATIBILITY:

- IP camera setup should be completed on a Windows PC only using Internet Explorer.
- Live viewing, taking snapshots, recording and camera configuration are fully supported on computers with Windows operating systems.

Mac users are only able to:

- view live images** via compatible web browsers including Safari, Firefox and Chrome but are limited to viewing one camera at a time.
- take and save snapshot images** via the web browser interface.

PACKAGE CONTENTS

Open the box and make sure all items listed below are included:

- Wireless IP Camera x1
- Wi-Fi antenna x1
- AC power adaptor x1
- Quick installation guide x1
- CD-ROM x1
(includes the IP Super Client software)
- Network cable x1
- Mounting bracket and hardware

NOTE: if any of the listed items are missing or damaged, please notify immediately the Nexxt Solutions reseller from whom you purchased the product for replacement or warranty information.

CAMERA INSTALLATION

Our WiFi Pan and Tilt Camera can be set up in minutes for instant monitoring and live viewing on your Windows computer and 3G Smartphone - all via your wireless network router or switch. For optional recording capabilities, simply install the recording software in your Windows PC and configure it according to your particular needs.

1. Begin by screwing the bracket to the camera. Connect the camera using the power adaptor that comes with the product.
2. Using a standard Ethernet network cable, connect the camera to your network. The camera can either be connected to a router/switch or directly to a PC with an Ethernet network cable. We recommend setting up the camera on your network using a wired connection prior to using the device in a wireless configuration.
3. Continue with the setup of the camera (as described in the following chapter). Once the camera has been successfully connected to your network, it can be mounted on the wall or ceiling using the wall plugs and screws included with the device. (The camera set up must be performed using Windows operating system only).
 1. Plug the cable into the RJ-45 connector on the rear of the camera.



2. Plug the other end into an available RJ-45 port on your router.



3. Connect the power cable to the wall outlet.

Please note that if you are using the camera on a wireless network, you will need to configure the camera for wired use, prior to configuring wireless settings in the device [later described in this manual].

Accessing the IP camera

Using the IP Super Client Software

Note: The IP network camera is designed to work in a local area network (LAN) or over the internet. For the first method, we highly recommend using the software included in the CD. The installation steps are described below.

IP Camera Super Client

1. Introduction

The IP camera Super Client is an easy-to-use software designed for surveillance applications with multiple cameras. This software includes PT controls, recording, alarm notifications, in addition to a central management feature that allows the administration, configuration and access control settings for each individual device.

Functions:

- * Supports up to 81-video monitoring in one screen.
- * Supports multi-level structured device list.
- * Supports scheduled recording with alarm.
- * Supports panoramic recording.
- * Supports motion detection, sound alert and external alarm trigger.

- *Supports audio, SMS, SMS modem, dialing, email, FTP and alarm output switch.
- *Supports inquiries, browsing of alarm and operation log records.
- *Supports multi-level access management.
- *Supports remote login to check records and alarm records.

IP Camera Super Client

Adding devices

After installing the client software, we need to add the devices. When running the program, the device list on the right of the main interface is empty; there is a guide to show you how to add the devices.

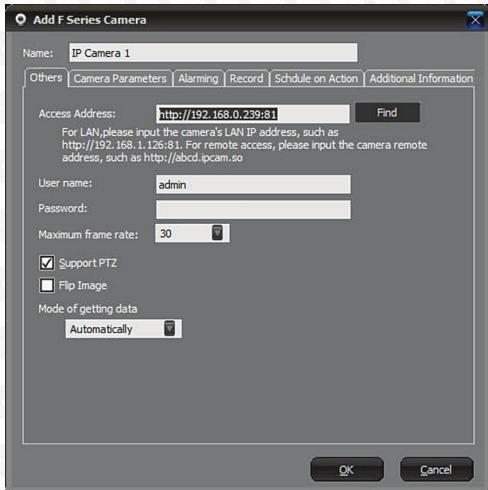


Click the right button to choose “**add new device**” or “**add new group**”. This program supports a multi-level structure to manage existing devices.



Now, let's take the 300-series and 330-series as examples to introduce the adding device option.

300-Series Image:



330-Series Image:

Name: name assigned to the camera, used to distinguish it from other devices connected.
This name will be displayed on the camera list.

Basic information: the basic information used for connecting the camera, such as connection method, username, password, PT protocol, etc.

Device parameters: set size of the image and frame rate. Not all series have this option available.

Alarm: This menu contains all the alarm-related settings.

Record: This menu contains all recording related settings.

Connection Information

IP/Domain mode: This mode provides LAN access to the camera, or to a camera which has a domain or fixed IP. To use this mode, an incoming port should be assigned. By default, this port is set to 81.

Username/Password: The username and password used to access the camera.

Forwarding Server: It provides access to videos by retrieving the files from the server. This requires the setup of server settings. This mode cannot support PT control.

Support P2P: Supports P2P technology. This mode cannot support PT Control.

Camera Parameters

300-Series Image





This menu is used to quickly set the camera parameters. Not all models have this function. Click the **Get** button to obtain the current settings. Click **Apply** or **Set** depending on the model to save your modifications.

Alarm

It includes all the alarm-related settings. Please refer to the Alarm section for more details.

Record

It includes all the recording-related settings. Please refer to the Recording section for more details.

Freq./Time setup

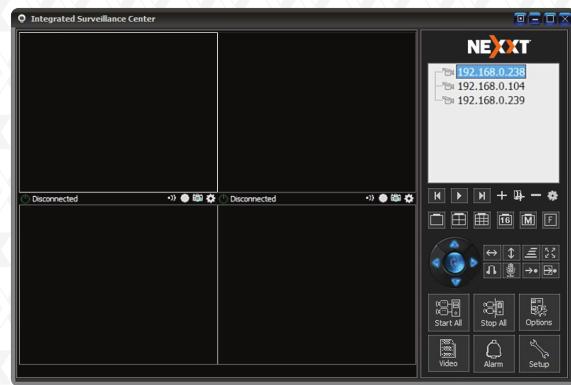
It is used to schedule a timing action to change the lightning frequency.

Additional information

It is used to enter personal-related information, such as user name, telephone, address, and memo.

**Introduction to the main window**

Below is the main window of the client software.



Device Tree Components: this tree provides a visual representation of all detected devices. Supports multi-level structure from which users can connect or disconnect devices in a particular group. Users can double click on a device to connect it and see the video in the display area, or click the **Camera/Group Options** button to modify the settings.

Display Control Panel: users can choose between full view in a single screen or a split screen configuration of 4, 9, 16, 25, 36, 49, 64 or 81 frames.

PT Control Panel: direction buttons for controlling the Pan and Tilt feature of the camera.

Main Menu: allows the user to connect or disconnect all the devices, open the history manager, system setup, and other functions.

IP Camera Super Client

PT Control

This feature is available based on the model of the camera. If your camera supports the Pan and Tilt feature, enable it using the client software. Once enabled, the movement of the camera can be controlled with the buttons in the PT control area.



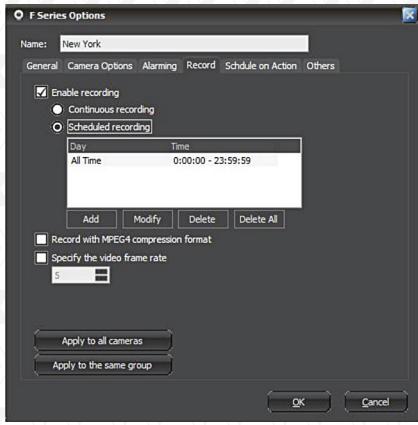
IP Camera Super Client

Video Recording

Video recording is a basic function of the client software, where users can choose to record continuously, schedule a recording or setup a recording whenever an alarm is triggered. Under the **Scheduled recording** option, users can set specified dates and times. Records will be then saved to the assigned folder path set in the options settings, and will automatically overwrite the earliest files when the disk is full. The user can set

the parameter of how long to keep the files. For the IP camera with MJPEG format, the client software can compress the saved data into MPEG4 format, which can be used to reduce the usage of space on the disk.

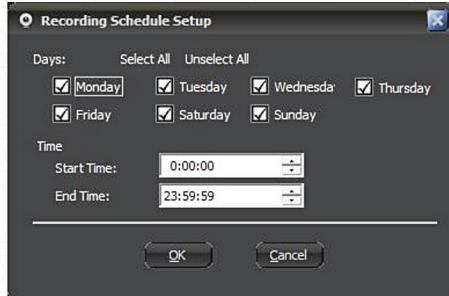
To set record function, right click the device and choose **Camera Options** or click the **Camera/Group Options** button. Next, go to **Alarm** tab.



Enable record: when selecting this option, the recording function will be enabled.

Continuous recording: the client software will record all the time.

Scheduled recording: users can appoint a certain period in which the client will start recording.

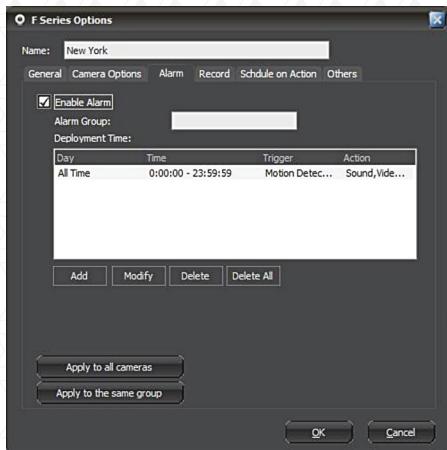


IP Camera Super Client

Alarm

The Client software supports various kinds of alarm triggers, alarm events, and can be used to set an alarm schedule.

Select the camera in the display area or from the device list, click the right button to choose **Camera Options**, or click the **Camera/Group Options** button. Next, go to Alarm tab.

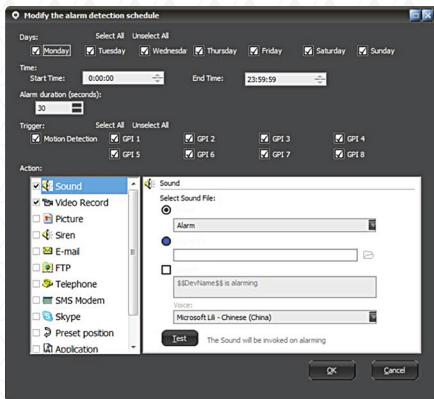


Enable alarm: In order to use the alarm function, you must check this option.

Alarm group: It is a user-defined name to identify and link cameras belonging to the same group.

Alarm lasting time: The period of time the software will keep the alarm active. That will have the same duration as the event causing the alarm, which includes the capturing of audio and the video recording time.

Schedule trigger: Sets the schedule during which alarm can be triggered.



Days: specify the day(s) of the week the alarm will be triggered.

Time: sets a starting and ending time for the alarm.

Trigger mode: specifies the type of event that would trigger an alarm.

It currently supports motion detection and alarm sensor input (depending on the model).

An action on alarm defines how the software will respond once the alert is triggered.

The actions supported are: sound, video recording, snapshots, alarm siren, email, FTP uploading, SMS, calling, SMS modem, alarm-output switching, program executing and URL opening.

Below is the detailed explanation for each alarm action.

Sound: when an alarm is triggered, the program will play a sound on the computer to frighten the intruder. Sounds can be customized.

You can choose the sound from the list in the

program. Select the sound and click OK to save the setting.

You can also choose other sound files from your local disk drive. In other words, you can record "Catch the thief" in a file, save it and then select the sound file by clicking the folder button to add the file you want.

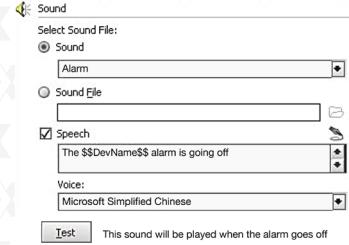
If you want to read a text on alarm, you can check the "Speech" icon and edit the contents to be read. In addition to reading the normal text, the program also displays the description of pre-defined features, such as the name of the alarm device and alarm time. These pre-defined contents appear within the " \$\$ " symbols. The software includes the following pre-defined content:

\$\$DevName\$\$: the name of the device sending the alert signal.

\$\$AlarmTime\$\$: displays the time when the alarm occurred.

\$\$Trigger\$\$: displays the event triggering the alarm.

If you only need to read a text having no audio being played, you can choose "sound file" without specifying the use of one. Check the "Speech" box below.



Email: when the alarm goes off, the program will send an email acknowledgement with the pictures or video recording attached.

Attachment: the user can choose to send emails with or without attachments, or with pictures or videos. However, when choosing to send an attachment, the user needs to have the live recording function enabled first.

Receiver: it is the email address to which the alarm acknowledgement will be sent to.

Copy: it is the email address or addresses to which the alarm acknowledgement will send a copy of the message and attachments. Use commas to separate multiple email addresses.

Test: when you click this button, the program will send a test email. Users can check whether it was correctly sent or not. If sending fails, the program will show you the details of the failure.

Users have the option to choose the mail server according to their own needs.

