



VCC-HD2300/HD2300P  
VCC-HD2100/HD2100P

## Chapter 2

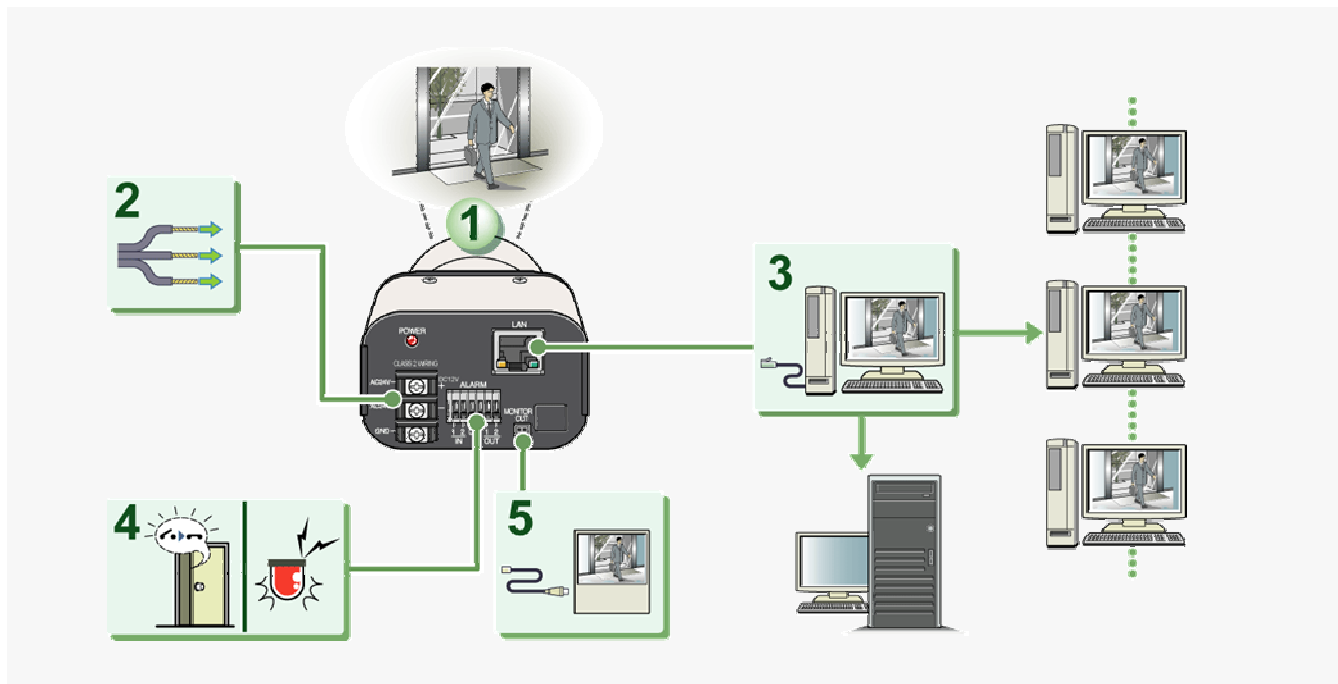
# Quick Operation Guide

From Connection to Network Operation  
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## From Connection to Network Operation

Follow the steps below to set up and connect the camera to your PC.

You can use alarm video recording, bidirectional audio communications, and other standard features of the camera, in addition to normal live video monitoring.



### 1 Install the lens to the camera.

### 2 Connect the power cable to the power terminals.

Use a 24-VAC or 12-VDC power supply.



Do not turn on the camera until you complete all connections.

### 3 Connect the network (LAN) socket to your PC using a LAN cable.

Check the operating environment of your PC and perform the following operations:

- Check the network information on your PC.
- Install the "H.264 Plug-in" from the supplied CD-ROM onto your PC.

### 4 Connect necessary external devices to the alarm input/output terminals.

ALARM IN1/2 terminal: Connect an external switch, infrared sensor, or other device to detect alarm conditions such as entry of an intruder.

ALARM OUT 1/2: Connect a buzzer, lamp, or other alarm device to output a signal to warn people of the occurrence of an alarm condition.

### 5 Connect a monitor for focus adjustment to the monitor output socket.

Connect your monitor to the camera via the supplied video cable.

### 6 Turn on the camera.

The power indicator lights up and live video appears on the monitor.



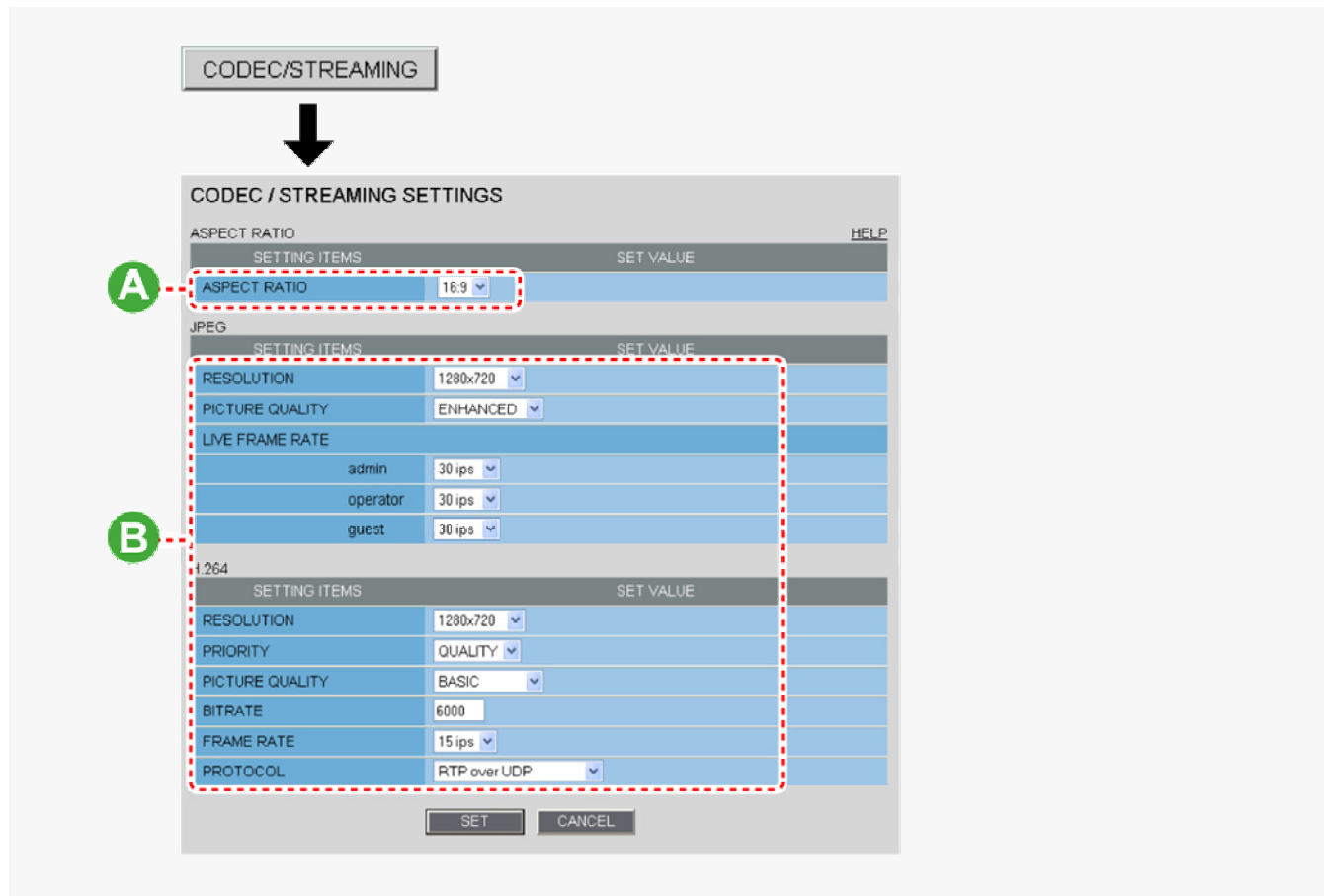
To enable surveillance with clear video images, adjust the lens focus while viewing the subject on the FOCUS ASSIST screen displayed on the monitor.  
After adjustment, be sure to remove the monitor cable.

## **7** Access the camera from your PC's Web browser.

Live video appears on the live screen. Now, you can perform all network operations from your PC.

## Live Video Monitoring

If you are operating the camera for the first time, check the factory default video/image conditions on the CODEC/STREAMING SETTINGS screen. Change the default settings as necessary. For details, refer to the “CODEC/STREAMING SETTINGS” section.



### A Configuring aspect ratio (ASPECT RATIO)

16:9 (Default) → 4:3

### B Configuring video/images (JPEG/H.264)

You can switch between JPEG image and H.264 video using the buttons on the live screen control panel. The screenshot above shows the factory default settings for each video/image condition.

## Alarm Detection and Output

If you are operating the camera for the first time, check the factory default alarm detection conditions on the ALARM SETTINGS screen. Change the default settings as desired.  
For details, refer to the “ALARM SETTINGS” section.

### Alarm Detection

You can configure the camera to detect alarm conditions via the “alarm input terminals” or “built-in motion sensor”.  
For how to configure the camera to detect alarm conditions via the alarm input terminals, refer to the “Alarm Input/Output Terminal Connections” section.

**ALARM**

**ALARM SETTINGS** [HELP](#)

SETTING ITEMS	SET VALUE
ALARM IN1	OFF
POLARITY	NO
DURATION	5SEC

**MOTION**

SETTING ITEMS	SET VALUE
MOTION	OFF <a href="#">DETAIL</a>
DURATION	5SEC

**SET** **CANCEL** **DEFAULT**

#### A Detecting an Alarm Condition via Alarm Input Terminal

Connecting an alarm switch, infrared sensor, or other external device to the ALARM IN1/2 terminal enables the camera to detect alarm conditions such as entry of an intruder.

Setting Item	Default Setting	Optional Setting
ALARM IN1/2 (Alarm input terminal number)	OFF (Disables alarm detection.)	ON (Enables alarm detection.)
POLARITY (Signal polarity)	NO (Ex.: Detects an alarm when door is closed)	NC (Ex.: Detects an alarm when door is opened.)
DURATION (Alarm retention duration)	5SEC (Ex.: Records alarm video for 5 sec.)	10SEC to 5MIN, CC (Retains the alarm state as long as the alarm signal persists.)

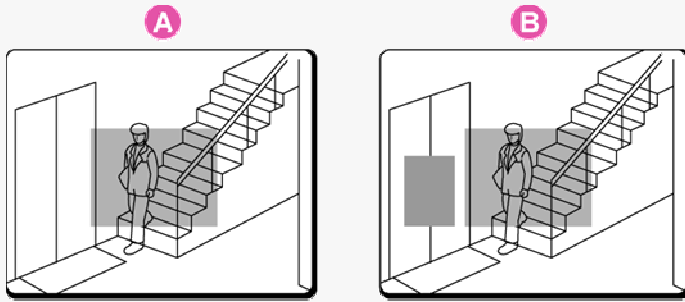
#### B Detecting an Alarm Condition via Built-in Motion Sensor

The camera uses the built-in motion sensor to detect alarm conditions.  
The motion sensor detects an alarm condition in two ways as follows.

Setting Item	Default Setting	Optional Setting
MOTION (Use of built-in motion sensor)	OFF (Disables alarm detection.)	<b>A</b> MASKING <b>B</b> DETECT
DURATION (Alarm retention duration)	5SEC (Ex.: Records alarm video for 5 sec.)	10SEC to 5MIN, CC (Retains an alarm state as long as the motion alarm persists.)

**A** Disabling motion detection in masked areas

## B Detecting motion in specific areas



In [MOTION], after selecting a motion sensor type, click **DETAIL** to configure the detection conditions on the detailed configuration screen.

## Alarm output

You can configure the camera to “automatically output alarm signals” or “remotely (manually) output alarm signals”.



### A Configuring Automatic Alarm Output

You can configure the camera to automatically output an alarm signal when either of its alarm input terminals receives an alarm signal.

ALARM OUT	
SETTING ITEMS	SET VALUE
ALARM OUT1	OFF
POLARITY	NO
ALARM OUT TIME	5SEC
TRIGGER	
ALARM IN	ALARM IN1
MOTION	OFF

Setting Item	Default Setting	Optional Setting
ALARM OUT1/ 2 (Alarm output terminal number)	OFF (Disables alarm output.)	ON (Enables automatic alarm output.)
POLARITY (Signal polarity)	NO	NC
ALARM OUT TIME (Alarm output time)	5SEC (Ex.: Beeps a warning for 5 sec.)	10SEC to 5MIN
ALARM IN (Output condition)	ALARM IN1 (Triggers alarm output when ALARM IN1 terminal receives an alarm signal.)	ALARM IN2 (Triggers alarm output when ALARM IN2 terminal receives an alarm signal.)
MOTION (Output condition)	OFF (Disables alarm output using motion sensor.)	ON (Triggers alarm output using motion sensor.)

### B Configuring Remote Alarm Output

Use the Remote Alarm buttons ( ) provided on the live screen to send alarm signals from the camera's alarm output terminals.

ALARM OUT	
SETTING ITEMS	SET VALUE
ALARM OUT1	REMOTE ▼
POLARITY	NO ▼
ALARM OUT TIME	5SEC ▼

Setting Item	Default Setting	Optional Setting
ALARM OUT1/ 2 (Alarm output terminal number)	OFF (Disables alarm output.)	REMOTE (Enables remote alarm output.)
POLARITY (Signal polarity)	NO	NC
ALARM OUT TIME (Alarm output time)	5SEC (Ex.: Beeps a warning for 5 sec.)	10SEC to 5MIN, CC (Stops alarm output when Remote Alarm button is clicked.)

## Software Information

You can install the following software on your PC to extend the capabilities of your surveillance system.



The CD-ROM that comes with the camera includes all the supplied software.

### Supplied Software

#### **A H.264 Plug-in (Plug-in for monitoring live video as high-quality moving images)**

This plug-in software is required to display H.264 video on the live screen. Be sure to install it on each computer from which you access the camera via network operation.

#### **B VA-SW3050Lite (Application for monitoring live video from more than one camera)**

This monitoring application is designed for use with SANYO network cameras.

- You can access up to 128 cameras simultaneously.

- The application lets you monitor video images from connected cameras in either the single screen or the 4-screen, 9-screen, or 16-split screen mode.

#### **C Auto IP Setup (Utility for automatically setting up IP addresses when two or more new cameras are connected)**

This utility automatically assigns a unique IP address to each camera that has the factory default IP address ("192.168.0.2").

- Using the utility's camera search function, you can check the IP addresses of all cameras existing on the same local network.

- It is also possible to check and correct overlapping IP addresses.

### Optional Software

#### **VA-SW3050Server/Client (Application for recording and playing back streaming images from camera)**

This recorder/player application is designed for use with SANYO network cameras.

- This is a complete version of the VA-SW3050 series software, which offers all the functions you need to perform monitoring, recording, search, playback, and other operations in a surveillance system.

- This software requires at least two PCs that serve as the server and the client.



## Configuration menu quick reference tables

Click **MENU** on the control panel to display the administrator configuration menu that includes a series of menu selection buttons.

If you are a surveillance system administrator, use these buttons to configure necessary settings according to the installation environment and application of your camera.

### Configuration Related to Network Connection

Operation	Configuration Screen (Menu)
Changing the camera's IP address.	NETWORK SETTINGS
Using SANYO's DDNS service.	
Using SSL communication.	
Streaming H.264 video in multicast	

### Clock and Camera Title Configuration

Operation	Configuration Screen (Menu)
Adjusting clock to specific time based on external input signal	CLOCK SETTINGS
Configuring the camera title	

### Configuration Related to Access and Security

Operation	Configuration Screen (Menu)
Changing the user password	USER SETTINGS
Allowing all users to access the camera without any authentication check	
Restricting PCs that have access to the camera	SECURITY SETTINGS

### Configuration Related to Live Video

Operation	Configuration Screen (Menu)
Accessing the camera from video viewer or similar software to view live video	NETWORK SETTINGS
Hiding specific portions of video	CAMERA SETTINGS (PRIVACY MASK)

### Alarm-Related Configuration

Operation	Configuration Screen (Menu)
Sending an alarm image via e-mail	E-MAIL SETTINGS
Using the alarm input terminals to switch the camera between the color and black-and-white video modes (This function is supported only by VCC-HD2300P/VCC-HD2300)	CAMERA SETTINGS (DAY/NIGHT)

### Recording-Related Configuration

Operation	Configuration Screen (Menu)
Recording images from the camera to an FTP server	FTP SETTINGS

## Optional Configuration

Operation	Configuration Screen (Menu)
Updating the camera's firmware to the latest version.	OPTION SETTINGS (FIRMWARE UPDATE)
Restoring the factory default settings	OPTION SETTINGS (FACTORY DEFAULT)
Backing up or uploading settings	OPTION SETTINGS (MENU BACKUP/MENU UPLOAD)
Viewing the access log, system log, and operation log	OPTION SETTINGS (LOG)