IMPORTANT! This instruction guides you how to install surveillance system.

What accessories you need before getting started

1. One monitor or TV, can not be less than 19”
2. One VGA Cable/one HDMI Cable, use any one that monitor supports
3. One surge protector (advisable)
4. Power supplies for the DVR and cameras. Only use approved PSU's from your supplier.
5. Appropriate tools for installation.

Note:
This instruction is used to guide you install the system and remote surveillance, more instructions and details can be downloaded from the CD, which come with DVR.
Using a high quality monitor, connect it to DVR via VGA Cable or HDMI Cable.

**STEP 1** Turning on DVR

- Connect DVR and surge protector using power adaptor, like picture 1 and picture 2.

**STEP 2** Connect Mouse

- Connect Mouse to USB port on front panel of DVR, like picture 3.

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Note: You can choose one of the following three ways to connect DVR and monitor.

### Monitor with VGA Port

- **STEP 1.** Connect DVR and monitor using VGA Cable
- **STEP 2.** Connect monitor plug on surge protector
- **STEP 3.** Switch signal mode to VGA Input in monitor menu

### Monitor with HDMI Port

- **STEP 1.** Connect DVR and monitor using HDMI Cable
- **STEP 2.** Connect monitor plug on surge protector
- **STEP 3.** Switch signal mode to HDMI Input in monitor menu

### TV with BNC Port (VIDEO IN)

- **STEP 1.** Connect DVR and monitor using BNC-RCA Cable
- **STEP 2.** Connect monitor plug on surge protector

This way is only used among DVR and TV which have BNC and RCA port
CAMERA CONNECTING

STEP 1. Connect camera cable BNC end(female) to extension cable BNC end(male).
Note: Camera cable power end(male) must connect extension cable power end(female).

STEP 2. Connect the other extension cable BNC end(male) to DVR Video in connector(female).

STEP 3. Connect the other extension power end(male) to power splitter cable end(female).

STEP 4. Repeat above steps to connect other cameras

STEP 5. Connect power splitter cable to power adaptor

STEP 6. Plug your power adaptor to surge protector or socket.

You have finished mounting your system

Some CCTV kits have more than one power supply unit. Simply repeat the above steps if required.

CAMERA PLACEMENT

Cabling Distance Form DVR to Camera. The video signal sent from the camera to the DVR is reduced over distance. If you use a cable longer than 30M then a CAT5 or RG59 cable should be used (with suitable connectors). The maximum distance allowed is 200M.

Do not install the camera close to high voltage or other sources of electrical interference.

Install the camera in a position where it can not be damaged or vandalised.

Avoid direct exposure to the weather. Cameras which are weatherproof may be mounted outside however the image will be affected by rain etc landing on the lens. Do not allow direct sunlight to land on the lens.

Indoor cameras. Do not expose to high levels of humidity (steam/water vapour) or high levels of dust/dirt.

Do not submerge any camera

Mounting. Ensure the camera is mounted on a stable surface which is capable of supporting 5x the weight of the camera.
Legal Considerations. Ensure it is allowed by your local laws before installing cameras.

Do Not Install Camera Behind a Window. If there is a light source behind the camera, it would cause a reflection in the window that will obscure events on the other side of the glass. Likewise, the camera’s infrared LEDs will reflect off the glass and shine into the lens, thus degrading the image.

Because your camera is weatherproof, it requires less protection than weather-resistant cameras and it can be placed in more exposed locations if needed. Keep in mind that most cameras are designed to operate between 14°F to 122°F (-10°C to 60°C) with a relative humidity of up to 95%) and consider wind chill and other environmental factors when selecting your location.

WIZARD SETTING

Before turning on DVR, ensure that all connections are good.

POWER ON AND LOGIN

Connect the power supply, DVR will power up. The LED labelled POWER on the front will illuminate.

After DVR starts, a WIZARD SETTING pops up. Time, network, record and hard disk management can be set.

Click device name box to pop up a keyboard as below:

It supports digits, alphabets and symbols. Click Shift to input Capital letters and symbols; Click Shift again to return.

Click Next to present a network setting window.

The default Http Port is 80, the default server port is 6036. Click Obtain an IP address automatically to acquire network information or input IP address, Subnet mask, Gateway, Preferred or Alternate DNS server manually. This function is used to monitor DVR through internet (Refer to Remote Surveillance Guidance for details).

Click Next to present a Recording Setting window.
Select resolution, fps, encode, quality and bitrate. When numeric value is higher, recorded video is clearer, but more memory will be taken up.

Click Next to present HDD management window. Check HDD information here, if it was installed recently, select the HDD from the list to format it.

Click Next to present DVR status, click Finish button to end Wizard.

You can refer to complete setup steps from the relevant section of DVR User Manual. If you don’t want to setting Wizard, please click Exit.

**Login**

After exitting Wizard Setting, you can login to DVR. Click shortcut menu button, a Login dialogue box is presented

User Name: admin

![Login](image)

No Password

**Changing Display Resolution**

Optimize DVR Video output to match with monitor output as following steps:

*Note: Make sure the monitor supports same resolution as your DVR output resolution, otherwise, the monitor is unable to display video.*

**STEP 1.** Get into Main Menu from desktop shortcut menu

**STEP 2.** Click Setup, then choose Basic menu

**STEP 3.** Select the desired resolution from Video Output

**STEP 4.** Click Apply to save settings

**STEP 5.** Click Exit to restart system, and then re-login afterwards

**HD AND ANALOGUE CAMERA SETTINGS**

If you wish to use both AHD and analogue cameras on this DVR you will need to change the resolution settings as follows:

**HD CAMERAS**

SET TO 720P

**ANALOGUE CAMERAS**

SET TO 960H

THIS WILL SET CHANNELS IN PAIRS, i.e. (1 and 2)(3 and 4)(5 and 6)(7 and 8). You can not mix the camera type in each pair.

*Note: Above Setting is only applicable to Analogue HD DVR*
**MOTION**

Select Camera. Tick the Channel you want to record on motion detection.

**Holding Time.** Set recording time length after motion stop

**Trigger.** Multi-channels can be set to record when detect the motion by one of cameras. For example, when camera 1 detects motion, camera 2 and camera 3 can be triggered to record as well.

**Area.** It is allowed to set sensitivity area of camera viewing range.

Click STAR to make the whole viewing range as sensitivity area;

Click Trash Box to remove sensitivity area;

Click and drag mouse to draw or erase the sensitive area.

As Color and luminance is important for sensitivity, so it's necessary to adjust its value at specific conditions. The default value is 4 while value range is from 1 to 8.

Right click mouse to show or hide control menu at screen bottom.

Test the setting by moving something or some one walk through grid area within camera view range. If DVR detects movement within grid area, a yellow humanoid figure would be presented in the screen. The grid could not cover flag, trees or some other flow objects in the wind to avoid false alerts.

**PLAYBACK**

Get into system **Main Menu--Search**, system presents picture as following

- **Previous Record:** Move to last recorded event
- **Next Record:** Move to next recorded event
- **Fast Forward:** Video can be played at different speed, from 1/4 times to 16 times.
- **Rewind:** Video play can be rewinded at 1 time, 8 times, 16 times and 32 times.

**Screen Display Mode:** Both single-screen and multi-screen are available. You can choose how many channels you want to playback one time. Channel without records presents blank screen.
**WIFI**

Note: Only wireless dongle RT3070 can be supported by the DVR.

**STEP 1.** Connect WIFI USB Dongle to USB2.0 port.

**STEP 2.** Select WIFI Setup, then click Search Signal to choose a WIFI signal and input corresponding WiFi password, click **OK**; When it presents Connected, click **Apply** and **Exit**.  
Note: It needs to connect the WIFI device again after unplugging.

**UPGRADE**

If the DVR requires a software upgrade contact your supplier. You will be sent the upgrade files by e-mail.

**STEP 1** Put software into U-Disk, and ensure software is at root directory as below

**STEP 2** Put U-Disk into DVR port USB2.0.  
Unplug the mouse from the front USB socket

**STEP 3** Restart DVR (Power off and on), it will be upgraded automatically.  
Note: Plz wait for a few minutes until DVR interface presents.
REMOTE SURVEILLANCE
GUIDE

Step 1. How to connect DVR to LAN?

Schematic Diagram

Unplug modem then connect router and device

Fibre Optic → DSL → Router → DVR/NVR → PC

DSL/CABLE MODEM → ROUTER → DVR

Note: Before monitoring via smartphone or computer, please ensure your DVR can be connected to internet.

Step 2. How to test your DVR’s network?

(1) Right click Mouse - Main menu - Set up - Network
(2) Tick ‘Obtain IP address automatically’
(3) Click Test, if ‘OK’ is displayed, the network is connected successfully.

Note: Please ensure DHCP in your router is open

Step 3. Remote Monitoring Setting

A: Smartphone Remote Monitoring

(1) iPhone/iPad User: Search 365SECU in app store and install it, or scan the following QR code to download 365SECU

(2) Android User: Search 365SECU in google play and install it, or scan the following QR code to download 365SECU
(3) Login Interface instructions
Start 365SECU as following

(4) User Registration
The new user need to get an account from the login interface. Click button ‘Register’ and fill information as following

These items must be completed
User ID: User name during login
Password: Login password (at least 6 digit)
Confirm: Repeat the password
E-mail: Used to send password reminders
Name: Optional item
Phone: Optional item
Address: Location of DVR

(5) Device Management Instruction
Main menu –Device Manage

- **Alias**: Device name
- **Link mode**: Two different link mode, P2P and address
- **P2P**: Connect network via seria ID
- **Address**: Connect network via IP address/DDNS

<table>
<thead>
<tr>
<th>icons</th>
<th>Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>![device_management_icon]</td>
<td>Return to main menu</td>
</tr>
<tr>
<td>![camera_icon]</td>
<td>Click to pop up the item to modify the parameter, name, etc.</td>
</tr>
<tr>
<td>![catalogue_icon]</td>
<td>Camera</td>
</tr>
<tr>
<td>![device_icon]</td>
<td>Catalogue</td>
</tr>
<tr>
<td>![device_add_icon]</td>
<td>Device(DVR)</td>
</tr>
<tr>
<td>![search_icon]</td>
<td>Pop up items to add Directory, DVR, camera.</td>
</tr>
<tr>
<td>![search_local_icon]</td>
<td>Search Local Device(DVR)</td>
</tr>
</tbody>
</table>

- **Cloud ID**: Serial ID in DVR, which can be obtained in DVR system menu(Main menu-Information-System-Serial ID). This can be input using the QR code scanning option.

- **User ID**: admin (Defaulted, same as DVR user ID)
- **Password**: Null (Defaulted, same as DVR system password)
- **Channel**: DVR channel
- **Stream Type**: Resolution: D1  Resolution: CIF
B: PC Client Remote Monitoring

Download 365SECU from CD, install and start it as below picture

Account: same as the 365SECU account in smartphone
Password: same as the 365SECU account in smartphone

Enter main interface, and show it as following

Remark: The PC operation has the same ‘create’ & ‘Delete’ function as the Smartphone 365SECU

C: IE browser Remote Monitoring

(1) When testing the network ‘OK’ (Step 2), you can get an IP link like http://192.168.1.111, input the link in IE browser and open it

(2) When visit (live view) your DVR at the 1st time, the IE browser settings should be, IE-Tools-Internet Options-Security-Internet-Customization level

Tick all Enable in options, and click OK to save. After finishing download ActiveX controls, pop up login.

Note: Check with your I.T manager before making these changes

Note: If the surveillance preview does not work with the above settings, change the IP Address to ‘Fixed’ as follows

1. Open the router

2. Find the router Subnet Mask (for example: 255.255.255.0), Preferred (Primary) DNS server (for example: 211.136.192.6), Alternate (Secondary) DNS Server (for example: 114.114.114.114)

3. Input Subnet Mask, Preferred DNS Server and Alternate DNS Server in DVR menu accordingly, DVR system menu path is: Main menu – Set up - Network

Note: 1. Please ensure the IP address you input is not used by any other device, such as, computer, server, etc.

2. Please ensure Subnet Mask, DNS Server in DVR menu and Router System menu are same.

3. The system menu in different routers are different. But Subnet Mask, Preferred DNS Server, Alternate DNS Server can be found in all Router.

Click Test, if ‘OK’ is displayed, the network is connected successfully.
Warranty & Liability

1 PSA Products Pty Ltd (ABN: 99 076 468 703) of 17 Millicent Street, Burwood 3125 Victoria, Australia warrants this product for a period of 12 months from the date of purchase, as reflected on the Authorised Reseller’s or Distributor’s invoice / receipt provided to you. PSA Products Pty Ltd will repair or replace the product (at the option of PSA Products) due to any manufacturing defect, at the cost of PSA Products Pty Ltd (excluding any labour costs relating to removal or re-installation of product, and transport costs).

2 This warranty shall not apply to the product if it has been damaged, modified, abused or altered after the date of purchase, or if it fails to operate due to improper maintenance.

3 To the extent permitted by law, the liability of PSA Products Pty Ltd arising from the sale or under the terms of this limited warranty shall not in any case exceed the cost of replacement and subject to this clause. In no case shall PSA Products Pty Ltd be liable for consequential loss or damages resulting from the failure of the product or breach of this, or: Any other warranty, express or implied, loss or damage caused by failure to abide by the instructions supplied in the leaflets.

4 To the extent permitted by law, PSA Products Pty Ltd., makes no warranty, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the consumer replaceable battery if any. A product with non-serviceable built-in battery is covered under warranty of the product as per point 1.

5 This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

6 To make a claim under warranty, take the product (with a proof of purchase) to the store where you purchased the product or contact PSA Products Pty Ltd. Phone (03) 9888 9889. or Email: enquiry@psaproducts.com.au with details, proof of purchase or expense claim in writing.