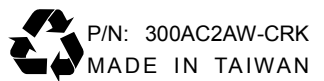


AVerMedia®

AVerDiGi EB1704HB WiFi-4

Quick User Guide





P/N: 300AC2AW-CRK
MADE IN TAIWAN

Package Contents

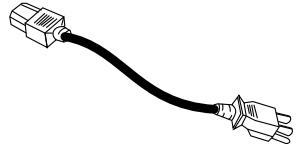
1



2



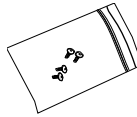
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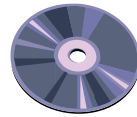
4



5



6



7



8



- 1 AVerDiGi EB1704HB WiFi unit
- 2 Remote Control (Batteries are included)
- 3 Power Cord (*The power cord may vary according to the local electricity system.)
- 4 Power Adaptor

- 5 Removable hard disk drawer accessories (with spare screws)
- 6 Software CD (Manual is included)
- 7 WiFi IP Cameras * 4 (power adaptor included)
- 8 Quick Installation Guide



If there is any damage, shortage or inappropriate item in the package contents, please contact with local dealer



WARNING
TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE
WARRANTY VOID FOR ANY UNAUTHORIZED PRODUCT MODIFICATION

Hardware Installation

A. Install the hard disk

Follow the steps to install the hard disk:

1. Unlock the removable hard disk drawer



2. Open the removable hard disk drawer



3. And then, pull out the removable hard disk drawer



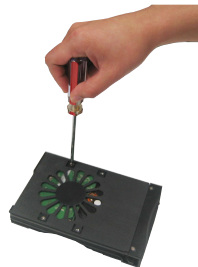
4. Remove the removable hard disk drawer cover



5. Carefully insert the hard disk in the removable rack



6. Turn the removable hard disk drawer over and screw hard disk with screws



7. And then, close the removable hard disk drawer cover



8. Slide the drawer back



9. Lock the removable hard disk drawer keylock



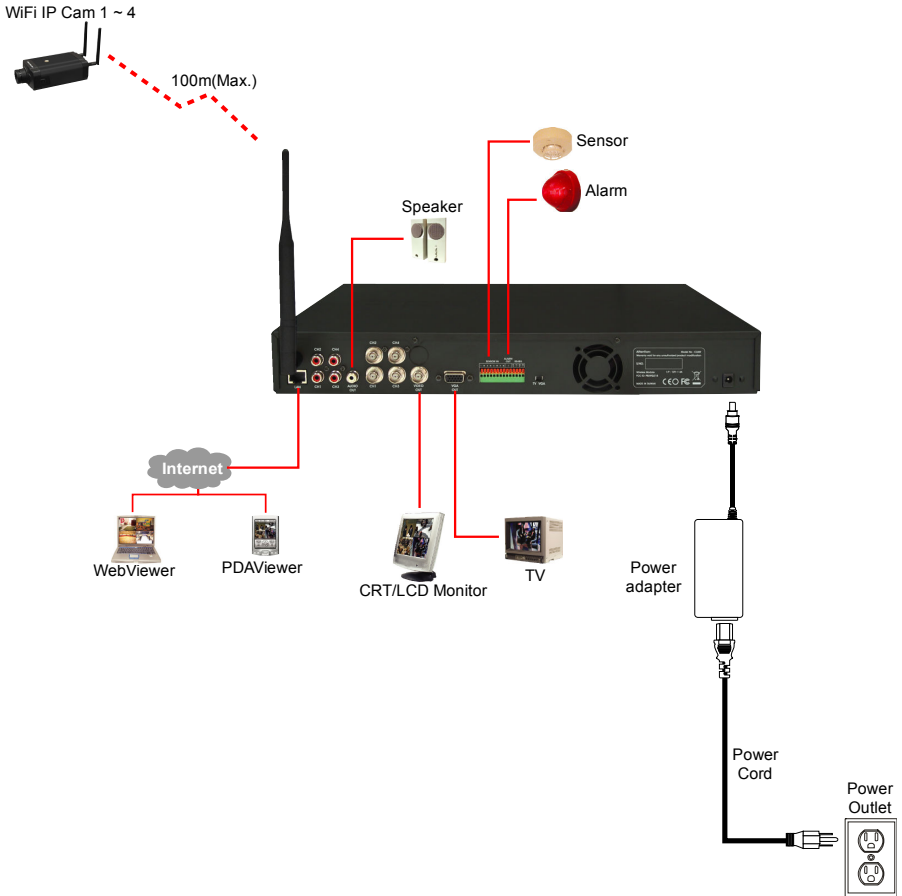
10. Power on the removable hard disk drawer



11. You may now connect all the cables. When the power is connected, the Power LED light turns on

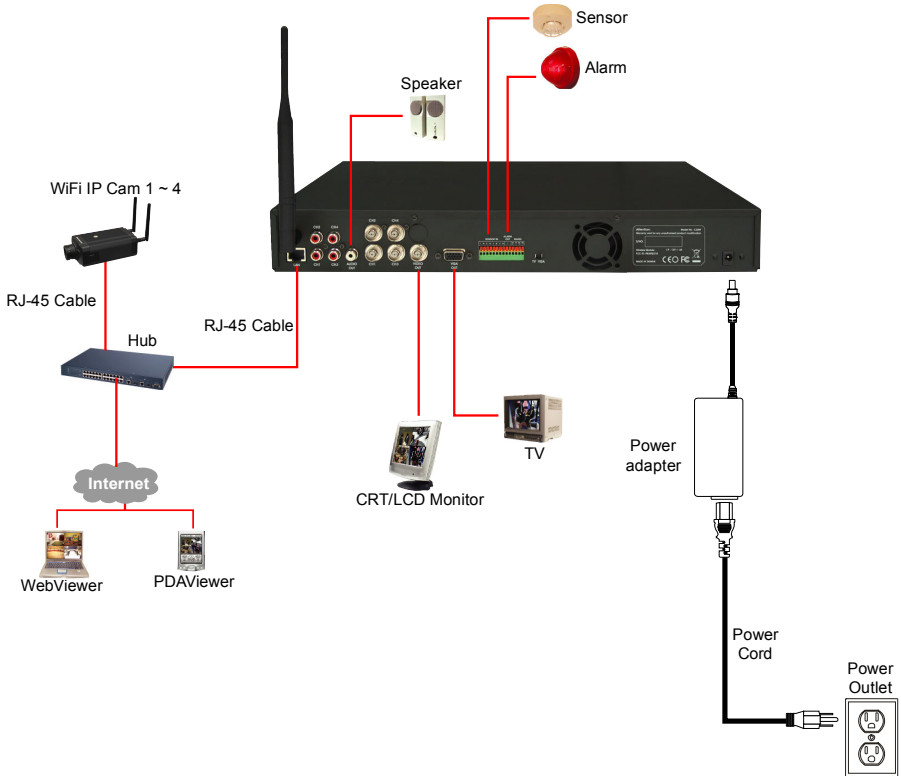
B. Please refer to following diagram for device connecting

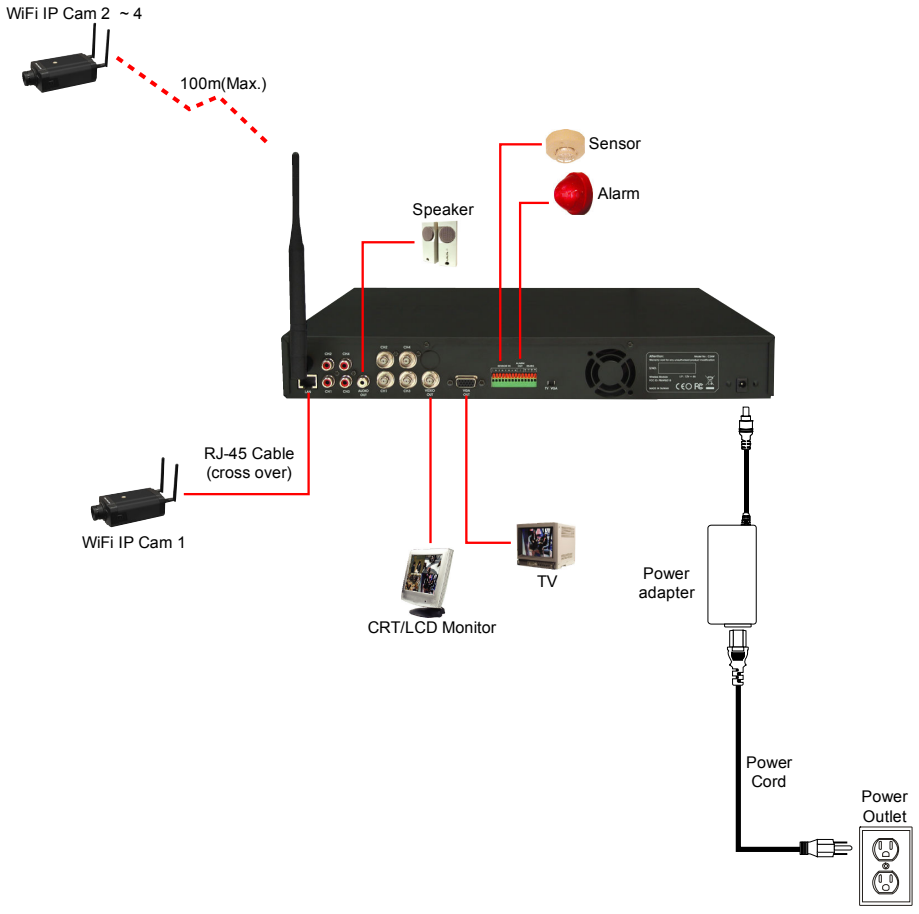
4 WiFi IP Camera



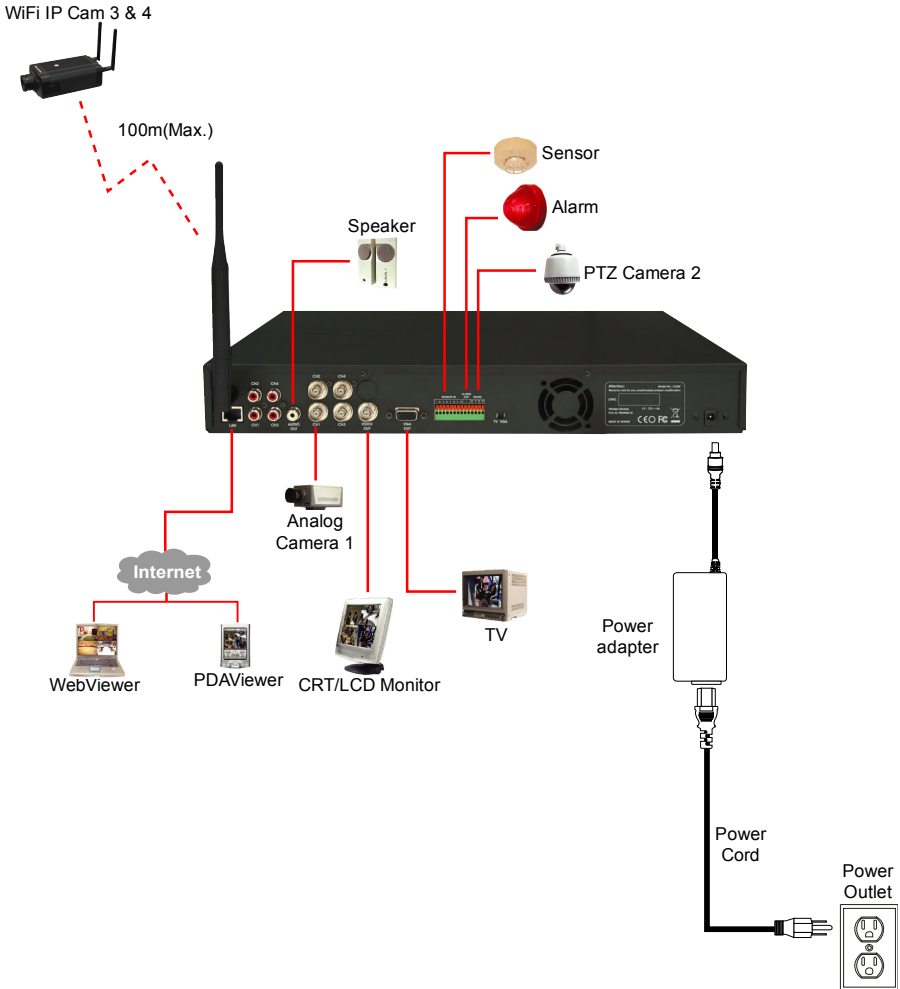
Using RJ-45 cable to Connect WiFi IP Camera

The WiFi IP camera provides a RJ-45 Ethernet port that allow user to use RJ-45 cable direct connect to DVR unit or through the hub when the wireless function is unavailable.





WiFi IP Camera and Analog Camera Combination











- Each time you change the video display output, the power must be turned **off** and **on** to reset the DVR unit.
- Each time you replace the WiFi IP camera, the WiFi IP camera must be turn off and on.



- The DVR can connect 4 cameras totally that include WiFi IP camera, analog camera, and IP camera.
- All connected devices which included WiFi IP cameras all need to be powered by external power.




Using DVR System

1. Power on the system. DVR will check the hard disk status. If the hard disk is first time installed on the system, the screen will appear **"HDD FORMAT YES/NO"**.
2. Press  to format hard disk. And then, user will see **"HDD FORMATTING"** on the DVR screen
3. When the DVR screen shows **"NEW HDD FORMATE COMPLETED"**, the formatting is completed
4. When you see the screen, press  to enter the OSD main menu screen to setup parameters. After finishing setup, press  to return to surveillance screens.
5. As surveillance screens appear, press  button to record.
6. Press     buttons to switch to each channel.

7. If the remote control doesn't work, please check the **MULTIPLE REMOTE** function status first. To confirm, please check if there is an ID number display on the surveillance screen. If there is an ID number










display on the surveillance screen, it means the **MULTIPLE REMOTE** function is on.

Please press  + ID number button to enable remote control of DVR system. For example: ID is 3, press  + .

Setup Time and Date

For the first time using, please adjust the system date and time in order to have correct recording time.

1. Press  and select **SUBMENU** → **TIME SETUP** → **DATE / TIME**
2. Use  and  to go up and down
3. Use  or  to make a selection
4. Use  and  buttons to move the selection to the left and right







SUBMENU	
AUTO RECORD	OFF
MULTIPLE REMOTE	OFF
REMOTE ID	1
VIDEO SYSTEM	NTSC
PASSWORD SETUP	
VIDEO ADJUSTMENT	
TIME SETUP	
SENSOR SETUP	
MOTION SETUP	
AUTO SCAN	
PTZ SETUP	


TIME SETUP	
DATE	2007 / 03 / 12
TIME	15 : 45 : 57
AUTO SYNC TIME	OFF
TIME ZONE	GMT
LAST SYNC TIME	2007 / 03 / 12 12 : 00 : 00
DAYLIGHT SAVING	



Network Setup


Configuring network parameter for remote accessing.

- Use  and  to go up and down.
- Use  or  to make a selection.
- Use  and  buttons to go left and right.

1. Press  and select **NETWORK**

SETUP.

NETWORK SETUP	
IP MODE	STATIC
NW ENABLE	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4
VIDEO PORT	0080
UPGARDE PORT	5005

2. Select **IP MODE**. There are three types of IP mode – STATIC, DHCP, and PPPOE.
 - **STATIC**: Assigns a constant IP address to DVR system.
 - **DHCP**: Assign an IP address by local DHCP server.
 - **PPPOE**: Point-to-Point Protocol over Ethernet is a network protocol for encapsulating PPP frames in Ethernet frames. It is used mainly with ADSL services. If your network is using ADSL service to connect to internet, and then, select PPPOE mode.
3. **SUBNET**: Enter the subnet mask of the IP address (Only STATIC IP mode need to enter)
4. **GATEWAY**: Enter the network gateway IP address from your local network (Only STATIC IP mode need to enter)
5. **DNS**: Domain Name Server translates domain names (such as www.abb.com.tw) to IP addresses. Enter the IP address of DNS if it is available. (Only STATIC IP mode need to enter)
6. **MAC ADDRESS**: Only for user information. Don't need to enter the MAC address in any IP mode.
7. When all parameters are set, select the **CHANGE** and press  to save the configuration.

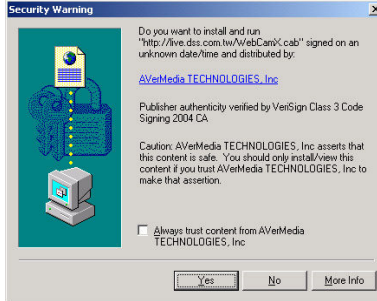


To register a domain name for the DVR system, please go to www.ddns.avers.com.tw or refer to the user manual on **8.1.1.5 Network Setup** and **Appendix A Registering Domain Names**.

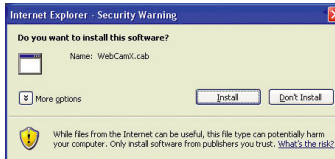
Setup IP Camera

To setup IP camera, please follow the below steps:

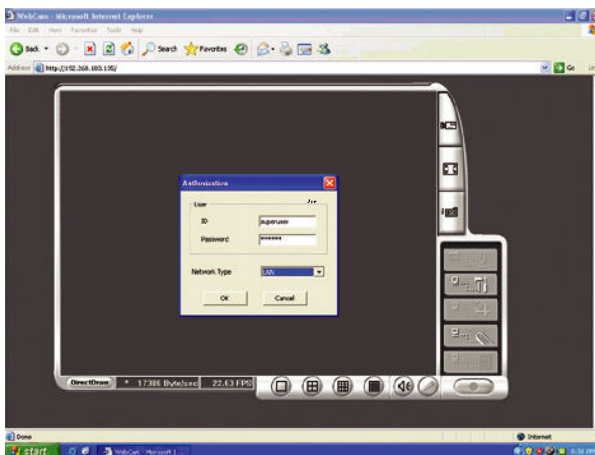
1. Open the browser, and key in the IP address of DVR.
2. For Windows 2000, click **Yes** when the Security Warning dialog box appears.



3. For Windows XP, click **Install** when the Internet Explorer - Security Warning dialog box appears.



4. After installing the WebCamX.cab and connecting to the DVR system, you are required to enter User ID (Superuser or User) and password (default password is 111111) and select the type of network.



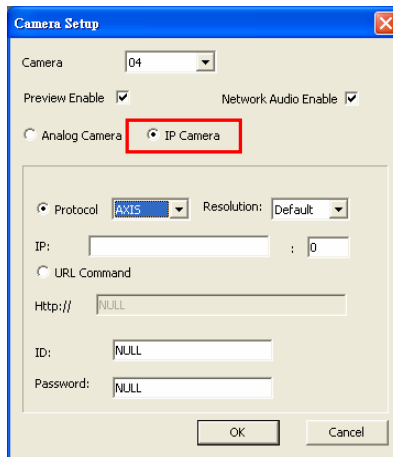
5. Click Remote setup button on WebViewer interface.



6. Click Camera on setup bar.



7. In Camera setup windows, select IP Camera.



8. And then, fill in the following items:

- **Protocol / Resolution** : When the camera is an IP camera, select the protocol and resolution of IP camera.
- **IP**: Fill in the IP address and connection port of IP camera.
- **URL Command**: If the IP camera has a URL address instead IP address, user can enter the URL address for IP camera connection.

- **ID:** If the IP camera has setup the authority security for accessing, please fill the login ID account in here.
- **Password:** Fill the password for accessing IP camera.

Camera Setup

Camera: 04

Preview Enable Network Audio Enable

Analog Camera IP Camera

Protocol: AXIS Resolution: Default

IP: : 0

URL Command

Http:// NULL

ID: NULL







Password: NULL


OK Cancel

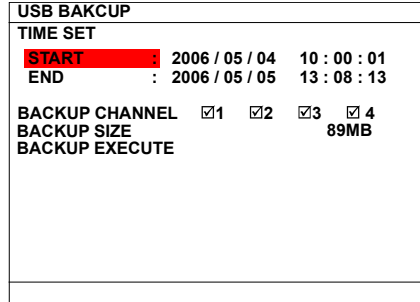
Backup Recorded Video to Pen Drive or Hard Disk

Backup by Time Search

User can backup recorded video to pen drive or external hard disk, and then, playback on the PC.







- Use  and  to go up and down.
- Use  or  to make a selection.
- Use  and  buttons to go left or right.

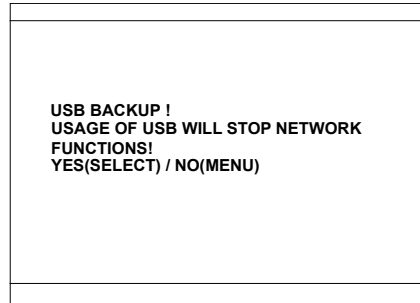
1. Plug in pen drive or external hard disk to the USB port on the DVR system.
2. Press  and select **USB BACKUP**.
3. Select the **START TIME** and **END TIME**.
4. Select the channels which want to backup.
5. The DVR system will display the system hard disk space and backup file size.
6. And then, select **BACKUP EXECUTE** to start backup video to the USB device.



Backup AB Repeat File






In playback mode, user also can backup the A B repeat video file which user has set by using the AB repeat function.

1. Press  (play button) to call out the **SEARCH MODE** menu to find the period of recorded video that user wants to backup.
2. Select **TIME SEARCH** or **EVENT LIST**.
 - **TIME SEARCH** (search by date and time): select the date and time from where you want to begin the video playback.
 - **EVENT LIST** (search by condition): select from the list.
3. During the playback, press  to set the A point of video segment. And then, press  again to set the B point of video segment. On the surveillance screen will repeat playing the AB point video segment which user has set. To cancel AB repeat, press  again.
4. To backup the AB point video segment, press . A confirmation window appears, and then, presses  to start backup file.



Setup PTZ Camera

To enable PTZ camera control by remote control and setup PTZ camera parameters.

1. Press  and select **SUBMENU**
→ **PTZ SETUP**.
2. Use  and  to go up and down to select the item and change the parameter value.
3. Use  or  button to enter

PTZ SCAN	
CAMERA	1
PTZ CONTROL	OFF
PTZ ID	000
PROTOCOL	PELCO-D
BAUD RATE	2400
AUTO PAN	1-1
DWELL TIME	05 SEC

the configure mode. Press  or  button to confirm the selection.

CAMERA:

Select the channel of PTZ camera. If the PTZ camera is connecting on channel 1, then select the camera 1 for PTZ video to be display on channel 1.

PTZ CONTROL:

To enable/disable PTZ camera can be controlled by remote control at local site.

PROTOCOL:

Select the protocol of PTZ camera. The protocol will be differenced that depends on the brand of PTZ camera. The DVR system currently supports 2 protocol – PELCO-D and PELCO-P. Please refer to your PTZ camera user's manual to make sure which protocol is using for your PTZ camera.

PTZ ID:

Assign an ID to PTZ camera. The ID range is from 001 to 255 but is limited by protocol of PTZ camera. Please refer to your PTZ camera user's manual for more detail of PTZ ID assignment.

BAUD RATE:

To setup the baud rate of PTZ camera. For more detail, please refer to your PTZ camera's user manual.

AUTO PAN:

Select the preset number to assign an auto move direction for the PTZ camera. For example: 1-3 means the PTZ camera will auto move from preset position 1, 2 and 3.

DWELL TIME:

Set a time that how long the IP PTZ camera stays in that position before it moves to the next one.

Controlling PTZ Camera

Using remote control, user can easily control PTZ camera at local site. Before starting, please go to OSD menu to enable PTZ control (see **3.1 Menu Function: PTZ Setup** in user manual).

To Enter the PTZ Mode

To control PTZ camera, user need to enter the PTZ mode first. Press

PTZ button and camera channel number button

(**1** **2** **3** **4**) at the same

time. The surveillance monitor will switch to single screen and display "PTZ mode" on the screen. To exit

PTZ mode, press **PTZ** and **0** button at the same time. Also, when user didn't have any action over 1 minute, the system will automatically exit PTZ mode.



To Set Preset Position

User can set 9 preset positions for PTZ camera. Using **1** to **9** button to set the preset position.

1. Press **PTZ** and camera channel number button at the same time to enter PTZ mode.
2. Using **▲**, **▼**, **◀** and **▶**, **ZOOM+**, **ZOOM-** to adjust the PTZ camera to the position that user wants.
3. Press any number button over 3 seconds and the position will be saved.
4. To move the PTZ camera to preset position, just press the number button..

To Control PTZ Camera

To move, adjust focus, and zoom in/out camera lens can be done by using function buttons on the remote control



To move the PTZ camera lens to the right



To move the PTZ camera lens to the left



To move the PTZ camera lens to go up



To move the PTZ camera lens to go down

ZOOM+



To zoom in view of PTZ camera

ZOOM-



To zoom out view of PTZ camera

SPEED+



To speed up movement of PTZ camera lens

SPEED-



To speed down movement of PTZ camera lens

FOCUS+



To focus in of PTZ camera lens

FOCUS-



To focus out of PTZ camera lens

Register WiFi IP Camera

When WiFi IP camera needs to replace new one, user **MUST** register the new WiFi IP camera in order to connect and transmit the video to DVR system. Follow the below steps to register WiFi IP camera:

1. Disconnect the original WiFi IP camera power
2. Connect the new WiFi IP camera to DVR system through cross over RJ-45 cable or using RJ-45 cable connect camera to hub on the LAN which is same as DVR system located.

VIDEO RECORD	
CAMERA 1	WIFI IP CAM 1
PREVIEW	ON
CAMERA 2	WIFI IP CAM 2
PREVIEW	ON
CAMERA 3	WIFI IP CAM 3
PREVIEW	ON
CAMERA 4	WIFI IP CAM 4
PREVIEW	ON
WIFI IPCAM REGISTRATION	



The IP address of the DVR system needs to be configured for the WiFi IP camera searching.

3. Select the **CAMERA SELECT** → **WIFI IPCAM REGISTRATION**
4. Press **YES (SELECT)** to start register process. To cancel the registration, press **NO (MENU)**.
5. Select the **WIFI IPCAM #** that is needed to be replaced. If the WiFi IP camera has been resisted, the DVR system won't be able to register again.




The WIFI IPCAM# is corresponding to the number on the WiFi IP camera.

WIFI IPCAM REGISTRATION	
WIFI IPCAM1	00 .C0 .02 .0C .B1 .G3
WIFI IPCAM2	00 .C0 .02 .10 .FF .D2
WIFI IPCAM3	60 .C0 .02 .10 .FF .D2
WIFI IPCAM4	60 .C0 .02 .10 .FF .E5

6. Press **YES (SELECT)** to confirm the WiFi IP camera registration again. To cancel the registration, press **NO (MENU)**.
7. The DVR system will start searching WiFi IP camera.
8. When the new WiFi IP camera has been found and the New IP Cam MAC will be shown, the registration is complete.
9. After registered, WiFi IP camera needs to restart (power on and off). And then, wait about 45~55 seconds, the video will be display on surveillance screen.
10. If DVR system could not find the new WiFi IP camera, please check the following few points:
 - The IP address of DVR system is configured
 - The DVR unit and the WiFi IP camera are located on the same LAN and both are well connected to the LAN network.
 - The WiFi IP camera does not been registered to this DVR system before.

Playback and Edit Backup File on PC

To install the USB Playback Application:

1. Place Installation CD into the CD-ROM drive. When the installation main screen appears, click Install **USB Playback Console** and then follow the on screen instructions
2. Select the language you prefer
3. Click **OK** to install the application
4. Click **Exit** to close the installation main screen. You may now connect the USB device to your PC.
5. To run the application, click the USB Player icon  on the PC desktop
6. To playback the backup file, plug in pen drive or external hard disk which user has backup the files to it. And then, click **OPEN FILE** button and select the file source.

For more information, please refer to the operation manual in the software CD. If you still have inquiries, please log on to <http://www.avermedia.com> <http://www.averdigi.com> for troubleshooting

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