Quick Guide Manual

DVR-4xxx









<UDR – 416C,416> type front view



<UDR - 404,408C,408 > type Front view



<UDR – 4004> Front view





<UDR - 416C / 416> rear view



<UDR – 404> rear view



<UDR – 4004> rear view



1. Power On/Off



• Power ON - Using either the keypad or the remote control, press the "POWER" button. (Note: In case of power outage or rare instance of system failure, the DVR will reboot automatically) The Power LED light will turn from red to green when it has turned on properly.

• Power OFF – To shutdown the system, you must type in the password. The default password for shutdown is "111111".

2. Date & time setting



- > Main Menu \rightarrow System Setup \rightarrow Time/Date
- Set the date and time for the DVR.



Basic operation procedures





➢ Main Menu → Record Setup

• Resolution for NTSC is "360 x 240", "720 x 240", "720 x 480". PAL is "360 x 288", "720 x 288", "720 x 576" selectable and selected resolution will be applicable to all channels simultaneously.

• User select channel's recording frame rate and none (no recording), 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30(25) fps will be available. The total for all the cannels is max 120 fps(100fps). But, with 720 x 240 (NTSC), 720x288 (PAL) resolution, user should not set to exceed 60(NTSC), 50(PAL) frame per second with accumulated total channel recording.

• Record mode: Manual, Continuous, Motion, Sensor, Motion + Sensor, Schedule.

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Basic operation procedures





> Main Menu \rightarrow Event Setup \rightarrow Motion Detection Setting \rightarrow Detection Zone

• Select the motion area to activate motion detection. (Activate channel by channel)

7. Backup



≻ Main Menu → Backup

- Backup Device: USB / CD-RW
- Select the Time/Date \rightarrow Range \rightarrow Channel \rightarrow Backup Start

8. Search

| Search Search by Calendar ► Search by Event ► | | Searc | h by (| ailend 20 | ar 108 Ma | V | | |
|---|----------|-------|--------|--------------|--------------|-----|-----|-----|
| Still Image Search ▶ | | SUN | MON | TUE | MED | THU | FRE | SAT |
| | | | | | | 1 | 2 | B |
| | — | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | 13 | 10 | 20 | 221. | 22 | 23 | 243 |
| | | 25 | 8 | 27/ | 28 | 29 | 30 | 31 |
| | | | | | ₩ | | | |
| | | | | | | - | - | |

> Search \rightarrow Search by Calendar

• Calendar View: When you click specific date, it will be showing recorded data as drawing. (red color means there are recording on those specific dates)

• After you select the date, select the time and the cameras to play back.

-

Basic operation procedures



8. Search (continuous)



| Start time | 2008/06/04 178 03 |
|------------|-------------------|
| Range | 🖌 243hour Onin 👔 |
| Channe 1 | (CN 1) |
| | Search 🕨 |

Search → Search by Event

• Search an event by selecting the start time, range and the channel.



| | → | |
|--|---|--|
| | | |
| | | |

| <pre>Start(Y/M/D H:M:S)</pre> | Ch | Mode |
|-------------------------------|----|--------|
| 08/05/29 09:30:00 | 01 | Motion |
| 08/05/29 09:31:45 | 01 | Motion |
| 08/05/29 09:33:31 | 01 | Motion |
| 08/05/29 09:34:09 | 01 | Motion |
| 08/05/29 09:35:10 | 01 | Motion |
| 08/05/29 09:36:09 | 01 | Motion |
| 08/05/29 09:37:11 | 01 | Motion |
| 08/05/29 09:38:42 | 01 | Motion |
| 08/05/29 09:39:09 | 01 | Motion |
| 08/05/29 09:40:09 | 01 | Motion |

➤ Search → Still Image Search

• Search option to view by saved images.

9. Miscellaneous Menu



> MISC/SH

• Net: Displays the current network IP and the user connected to the network.

• OSD: Turns on/off the OSD (On Screen Display). It substitutes the OSD button on the remote control.

• Audio Mute: Turns on/off the audio. It substitutes button on the remote control.

• HDD: Displays the HDD information. It substitutes the HDD button on the remote control.

• LOG: Display the System Log. It substitutes the LOG button on the remote control.



Specifications

| Model | UDR-404,4004 | ι | JDR-408/ 408C | UDR-416 / 416C | | |
|--------------------------------------|--|--|--|---|--|--|
| Image system | | NT | SC, PAL selectable | | | |
| Multi-tasking | | | Quadplex | | | |
| Video Channel | 4CH Composite, 4CH L through (<i>404 only</i>), B | ₋oop NC | 8CH Composite, 8CH Loop through, BNC | 16CH Composite, 16CH Loop through, BNC | | |
| Spot | Single channel for 4((<i>Spot function is only fo</i> |)4 <i>r 404)</i> | Single channel – 408C Multi channel – 408 | Single channel -416C Multi channel -416 | | |
| Video output | 1CH Compo (<i>Spo</i> | ulti), 1CH VGA <i>4004</i> .) | | | | |
| Video Compression | | MPEG-4 | | | | |
| Recording resolution | 720x480, 720x240 | 720x480, 720x240,360x240(NTSC) /720x576,720x288,360x288(PAL) | | | | |
| Recording Quality | 4 Level | s(Norma | al, Enhanced, Fine, Su | ıper Fine) | | |
| Max.Display Speed | 120fps(NTSC) 100fps(PAL) | 240fps (NTSC) 200fps (PAL) | | 480fps (NTSC) 400fps (PAL) | | |
| Max.Recording Speed | 120fps at Full D1 (NTSC) 100fps at Full D1 (PAL) | 240fps at Half D1(NTSC) 240fps at CIF (NTSC)- 408C 200fps at Half D1 (PAL) 200fps at CIE(PAL)-408C | | 480fps at CIF (NTSC) 240fps at CIF (NTSC)- 416C 400fps at CIF (PAL) 200fps at CIF(PAL)-416C | | |
| Time Laps Recording interval(fps) | 1,2, 1,2 | 1,2,3,4,5,6,8,10,15,30 (NTSC,10 Steps) 1,2,3,4,5,7,9,13,20,25 (PAL,10 Steps) | | | | |
| Recording mode | Schedule, Eventi | Schedule, Event(Sensor, Motion Detection), Manual, Continuous, Continuous+Event | | | | |
| Playback search | Calen | dar, Eve | ent (Sensor, Motion De | etection) | | |
| Playback speed | x1,x2,x4,x8,x16, | x32,x64 | x128, Field by Field(F | orward, Backward) | | |
| Sensor input | 4 (NO/NC Selectable) | 8 (N | O/NC Selectable) | 16 (NO/NC Selectable) | | |
| Alarm output (Relay) ,Aux output | | 1re | elay (NO/NC), 4TTL | | | |
| Audio In/Out | 4ch | 4 | ch(4ch option) | 4ch(12ch option) | | |
| Network | 10/100Base-T (Sta | tic, DHC | CP, PPPoE, E-mail), I | DDNS server available | | |
| Slow motion | | x1/4 | , x1/2(Forward Only) | | | |

Specifications

| Model | UDR-404,4004 UDR-408/ 408C UDR-416 | | | | | |
|--------------------------|---|---|-------------------------|--|--|--|
| Motion detection | 22x15(NTS | SC) /22x18 (PAL), 8Level S | Sensitivity | | | |
| Hard Disk | Max. 2EA(1EA for 4004) | Ма | ax.2EA | | | |
| Backup | USB(Vei (Only USB(Ve | r2.0), CD-RW/DVD-RW, N er2.0) & Network is availab | letwork le for 4004) | | | |
| Keyboard control | O (Except Matrix Key) | O (Except Matrix Key) | 0 | | | |
| Daisy chain Out | Х | 0 | 0 | | | |
| Watermarking | Still Image Backup | | | | | |
| PTZ Control | RS-485 | | | | | |
| Serial Port | RS-232-Console, Reserved (No RS-232 for 4004) | | | | | |
| System Log | Video Loss, Power On/Off, REC warning, REC fail, HDD Full, HDD Fail, Menu Called, Reset HDD Format, Reset SW Upgrade, Email Fail | | | | | |
| Language | Korean, English, Japanese, French, Spanish, German, Polish, Italian, Russian, Slovakian, Czech, Turkish | | | | | |
| S/W upgrade | Netwo (Only Network & | Network, USB Memory stick, CD-RW (Only Network & USB Memory stick is available for 4004) | | | | |
| Password Function | Power O | FF, MENU, Record OFF, K | ey Lock | | | |
| Power source | Free Voltage (100 – 240VAC, 50Hz/60Hz) using adaptor(12VDC, 42W) | | | | | |
| Dimension | 280(W) x 320(D) x 44m(H) | 433(W) x 3 | 385(D) ×88(H) | | | |
| Operating temperature | | 5°C ~ 40°C | | | | |
| Weight | 3kg(net) | 7kg(net) | / 8kg(gross) | | | |

UNITEK



| Model | 4004 | 404 | 408C | 408 | 416C | 416 | | |
|---------------------------|---|---|--|---|---|---|------------------|------------------|
| Loop through Output | Х | | | 0 | | | | |
| Spot | Х | Single channel | Single channel | Multi channel | Single channel | Multi channel | | |
| Max Display Speed | 120fps (100fps | 120fps (NTSC) 100fps (PAL) | | 120fps (NTSC) 240fps(NTSC) 100fps (PAL) 200fps(PAL) | | s(PAL) | 480fps 400fp: | (NTSC) s(PAL) |
| Max Recording Speed | 120fps at Ful 100fps at Fu | I D1(NTSC) II D1(PAL) | 240fps at CIF (NTSC) 200fps at CIF(PAL) | 240fps at Half D1 (NTSC) 200fps at Half D1 (PAL) | 240fps at CIF (NTSC) 200fps at CIF (PAL) | 480fps at CIF (NTSC) 400fps at CIF (PAL) | | |
| Jog/Shuttle | Х | | 0 | | | | | |
| Hard Disk | Max.1EA | Max.2EA | | | | | | |
| Back up | USB(Ver2.0), Network | USB(Ver2.0), CD-RW/DVD-RW (option), Network | | | | | | |
| Keyboard control | O (Except Matrix Key) | ot Matrix O (Except Matrix Key) y) | | (| C | | | |
| Daisy chain Out | Х | X O | | (|) | | | |
| Serial port | RS-232 (TTL level) | | 0 | | | | | |
| S/W upgrade | Network, USB memory stick | Network, USB Memory Stick, CD-RW | | | | | | |
| Power Source | Free Voltage (100-240VAC, 50Hz/60Hz) using adapter(12VDC, 42W) | | Free Voltage (100-240VAC, 50Hz/60Hz,70W) | | | | | |
| Dimension | 280mm(W) x 320mm(D) x 44mm(H) | | 433mm(| (W) x385mm(D) x88 | mm(H) | | | |
| Weight | 3kg(net) | | | 7kg(net) | | | | |

Network setup







> Check back of the modem for the ports

 \bullet If there is only single port back of the modem, then less likely the modem has router function built in.

- If unsure, please contact your ISP and confirm.
- Connect it directly to the router.



Check back of the modem for the ports

• If there are multiple ports back of the modem, then the modem is equipped with router function.

• Another router cannot be used, in this case you would need a switch.

2. **Command Prompt**



> Check List

• Use the computer that is directly connected to the router where DVR is connected

> Start → All Programs → Accessories → Command Prompt

| L | D:\WINNT\system32\CMD.EXE |
|---|---|
| | Microsoft Windows 2000 [Version 5.00.2195] (C) Copyright 1985-2000 Microsoft Corp. |
| | D:\≻ipconfig |
| | Windows 2000 IP Configuration |
| | Ethernet adapter Local Area Connection: |
| | Connection-specific DNS Suffix .: IP Address: 192.168.0.174 Submet Mask: 255.255.255.0 Default Gateway: 192.168.0.1 D:> |
| | |

➤ Inside the Command Prompt → type "ipconfig"

| D:\WI | NNT\system32\CMD.EXE | |
|--------------------|---|----------|
| licroso (C) Cor | oft Windows 2000 [Version 5.00.2195] pyright 1985-2000 Microsoft Corp. | - |
|):\>ipc | config | |
| lindows | s 2000 IP Configuration | |
| therne | et adapter Local Area Connection: | |
| | Connection-specific DNS Suffix .: IP Address | |
|):\>_ | | |
| | | |
| | | |
| | | - |
| • | | • // |

- IP address is your computer IP address.
 Remember "Subnet Mask", "Default Gateway".

Network setup

3. How to access the router (i.e. Linksys)



> Check List

<complex-block>

• Use the computer that is directly connected to the router where DVR is connected

> Open an Internet Explorer.

| 🗿 Po | owerte | ec Inc. | Samsung | ссту | Security |
|-------|--------|---------|-------------|-------|----------|
| File | Edit | View | Favorites | Tools | Help |
| 0 | Back | 0 |) | 3 | à 🔎 |
| Addre | :55 | http:// | 192.168.1.1 | - | > |

- > Erase everything off of the address bar.
- > Type in the Default Gateway on to the address bar.
- > Type http://xxx.xxx.xxx (xxx: Default Gateway IP #).
- > After entering the address, press enter.

|) | Please type y | our user name and password. |
|----------|---------------|--------------------------------|
| IJ | Site: | 192.168.62.1 |
| | Realm | Realm1 |
| | User Name | admin |
| | Password | MNOR |
| | Save this | password in your password list |

> User name/password is require to log in.

<u>http://portforward.com</u>; Lists routers by model numbers with port forwarding instruction by model along with default user/password.

If they are changed, please contact the manufacturer of the router.

4. Port forwarding (i.e. Linksys)





Check List

• Use the computer that is directly connected to the router where DVR is connected

Press "setup" on the top of the page.

> Under the basic setup, there is a list "DHCP start IP 192.168.1.xxx". And then there is "Number of address xx".

> This is indicating that any devices connecting directly on to the router will be automatically assigned an IP between the range.

> Pick an IP Address for the DVR that is outside of this range.

| den an an an | | | | | _ | ENe | niestii Cable | OSL Router Int SPOT |
|--------------------------|--------------------|-------|----|-----|----------|---------------|---------------|--|
| Applications & Gaming | Setup Aich Aicy | te un | | 100 | - | e inistration | Status | ole or |
| Port Range Forwarding | | | | | | | | Part Range Forwarding |
| | | | | Po | rt Range | | | First Dange Treve arting test for |
| | Application | Start | | ted | Protocol | IP Address | Enabled | an your reference. When users |
| | | 0 | | 10 | Both 💌 | 192.168.1 | г | regiests in your network the |
| | | 0 | | 0 | Both • | 192 588 1 0 | r | requires to consider a equipped |
| | | 0 | - | 0 | Both + | 182.160.1 0 | r | sumple, you self the pirt number 20,00000 to be |
| | | 0 | ÷. | 0 | Both * | 192.168.1 | r | Three artisted to \$7 an other as 150,150,1,2, men as MTP |
| | | 10 | | 10 | Both . | 192.968.1 | г | regulate from subside cabra will be forwarded to 182.165.1.2. B |
| | 100 | 0 | - | 0 | Both . | 192 168 1 0 | F | in recommended that the |
| | | 0 | ÷ | 0 | Both + | 192.103.10 | P | |
| | - | 10 | 1 | 0 | Both - | 192.168.10 | г | The state of the function in the state of th |
| | - | 0 | | 0 | Both . | 192.188.1 0 | г | Berretr um int Br Colorenay für Bure frat yng enter a undet |
| | | 0 | | 0 | Both + | 192 188 1 0 | r . | 10.00 |

From the top menu, click on "Applications & Gaming".

> Goto "Port Forwarding".

- > Example Setting:
 - Application: Unitek DVR (Any name is fine)
 - Start: 8000
 - End: 8000
 - Protocol: TCP
 - IP Address: 192.168.1.[200]
 - Enabled: check
- "Save Settings"

> The DVR S/W can be upgraded remotely if additional port 20, 21 are opened.

<u>http://portforward.com</u>; Lists routers by model numbers with port forwarding instruction by router along with default user/password.
15

Network setup

5. Disabling Firewall inside the router (i.e. Linksys)





Check List

• Use the computer that is directly connected to the router where DVR is connected

> Press "security" on the top of the page.
> The firewall inside the router must be disabled in order to view it from the remote locations.

| | - | | | | Vireless & Bree | Shand Router | WRIMG |
|--------------------|---------|------------------|--------------------|------------------------|--------------------------|-----------------------|---------------|
| Security | Setup | Wreless | Security | Access Restrictions | Applications & Gaming | Administration | Status |
| firewat | - | | 0 | | | and the second second | |
| 200 | Feering | Protection C | inal of pinal | | L | donie tre SPI | rten Itten |
| Bock Will Respects | 5. | Ne Anonymous | Internet Requisits | V 21.1 | | CUL | |
| | | Rer Internet NAT | Dedecation. | | | | |

Under the security option please change the settings.

If there is an option "Enable", "Disable" then select "Disable".

 For other Linksys models, there might just be 4 boxes only. If so, uncheck "Block Anonymous Internet Requests" box and save the setting.
 Save the setting after selection.

Network setup



6. Network Setup (DVR)



| | Network Setup DDNS Setup | - |
|---|--------------------------|---|
| 1 | Network Type Setup | |
| I | JPEG Frame rate | |
| | Frame rate(FPS) 🚺 🚺 | |
| | | |
| | | |
| | | |
| | | |
| 1 | | |

| DONS Link | A DEE |
|-------------|----------------|
| Port | 60 1 |
| IP Address | 192.168. 1.200 |
| Subnet Mask | 255.255.255. 0 |
| Gateway | 192.103. 1. 1 |
| DNS IP | 0. 0. 0. 0 |

> Press "Menu" → Select "Network Setup".

> Select "Network Type Setup".

- > Example Setting:
 - Network Type: Static
 - DDNS Link: On
 - Port: 8000
 - IP Address: 192.168.1.200
 - Subnet Mask: 255.255.255.0
 - Gateway: 192.168.1.1
 - DNS IP: 0.0.0.0 (Do not change)
- > Press "Menu" until you get small box to confirm to reboot.
- Press "Ok" and let it reboot.
- DDNS Link: In order to view remotely must be "On".
- Port: Port # that has been forwarded from the router.
- IP Address: Enter the IP address you have assigned.
- Subnet Mask: Given from command prompt "ipconfig".
- Gateway: IP used to access your router.
- DNS IP: do not change.



7. RAMS_RT (Client Software) - Local Area Setup

• Local Area Setting: Please use the instruction below if you are viewing it from the local area. The Local area applies any computers directly connected through the same router as where the DVR is connected.



- > Install the Client into the computer.
 - Click "Connect" button.

| Model | DVR Name | DVR Address | Port ^ |
|-------|----------|---------------------|--------|
| RT | 416 | 192.168.1.250 | 3037 |
| RT | 308 | 612430.udrdns.net | 8000 |
| RT | 316 | 612420.udrdns.net | 8000 - |
| RT | demo4004 | demo4004.udrdn | 8000 |
| RT | demo | demo.udrdns.net | 8000 |
| RT | Sully | 70.111.209.35 | 8000 |
| RT | testLA | 6202c7.udrdhs.net | 9010 |
| RT | murat | u6202d5.udrdns | 8000 |
| RT | 408 PTLA | 6202c7.udrdns.net | 8000 |
| RT | test | 630115.udrdns.net | 9000 🗸 |
| < | | | 8 |
| | DVR M | Iodel MPEG 4(RealTi | nel • |
| | DVR N | lame 416 | - |
| | DVR Add | tress 192.168.1.250 | |
| | | Port 3037 | -/ |
| | - | | 1 |
| | | Add Modify D | elete |
| | lles. | (Contras) - (Co | 00000 |
| | | Transie and | |
| | | ADMIN | - |
| | Dece | unered T | - |
| | Pabsy | ward (| _ |
| | | | - |
| | | The second second | 800 |

» LOCAL AREA NETWORK (i.e.)

- DVR Model: MPEG4(Realtime) Unitek 4xx, 4xxx, 4xxC series. MPEG4 - Unimo 3xx series.
- DVR Name: Select any name.
- DVR Address: 192.168.1.200 (IP that has been assigned to the DVR)
- Port: 8000 (Port # that has been forwarded from the router)
- > After entering the information, select "Add" to save.
- Select "Admin" or "User" → default password: 111111
- Press "Connect"



 \succ If you do not see your cameras, please double check the settings.

UNITEK

8. RAMS_RT (Client Software) - Remote Area Setup

• **Remote Area Setting:** Please use the instruction below if you are viewing it from the remote area. The Remote area applies any computers not directly connected through the same router or same network as where the DVR is connected.



Install the Client into the computer.

Click "Connect" button.

| System Info | 416EB-2 |
|----------------|-------------------|
| Video type | NTSC |
| H/W version | 1.10.4 |
| S/W version | 1.3.1-7809 |
| Kernel version | 2.6.19.2_2 |
| Mac address | 00:09:f8:62:12:34 |
| Audio | Support |
| Language | Korean English |
| German French | Spanish Japanese |
| Polish Russian | Italian Slovak |
| Turkish Czech | |

Menu → System Information

| Model | DVR Name | DVR Address | Port ^ |
|-------|---------------------------|-----------------------------|----------|
| RT | 416 | 192.168.1.250 | 3037 |
| RT | 308 | 612430.udrdns.net | 8000 |
| RT | 316 | 612420.udrdns.net | 8000 - |
| RT | demo4004 | demo4004.udrdn | 8000 |
| RT | demo | demo.udrdns.net | 8000 |
| RT | Sully | 70.111.209.35 | 8000 |
| RT | testLA | 6202c7.udrdhs.net | 9010 |
| RT | murat | u6202d5.udrdns | 8000 |
| RT | 408 PTLA | 6202c7.udrdns.net | 8000 |
| RT | test | 630115.udrdns.net | 9000 🗸 |
| | DVR M DVR M DVR Adi | Idel AFRE AFREAT | ne • |
| | Passi | ADMIN word Connect Ck | • DSE |

» REMOTE AREA NETWORK (i.e.)

•DVR Model: MPEG4(Realtime) - Unitek 4xx, 4xxx, 4xxC series. MPEG4 - Unimo 3xx series.

- DVR Name: Select any name.
- DVR Address: aabb16.udrdns.net (must use last 3 pairs of the MAC address)
- Port: 8000 (Port # that has been forwarded from the router)
- > After entering the information, select "Add" to save.
- ➤ Select "Admin" or "User" → default password: 111111
- Press "Connect"



If you do not see your cameras, please double check the settings.

9. Internet Explorer - Local Area Setup

• Local Area Setting: Please use the instruction below if you are viewing it from the local area. The Local area applies any computers directly connected through the same router as where the DVR is connected.

> Open an Internet Explorer.

> Select "Admin" or "User".

> Default password is 111111.

- > Erase everything off of the address bar.
- > Type in the IP Address assigned to the DVR.
- > Type <u>http://xxx.xxx.xxx</u>:xx (xx: Port#).
- > After entering the address, press enter.
- > Disable any pop up blocker you may have.
- User ADMIN
 Password
 OK

100 500

1000

"Install Activate X"

> Press "OK".

> When logged in for the first time, it is require to install the "Activate X".
> Once "popular" is disabled, message will appear to

> Once "popup" is disabled, message will appear to install "Activate X"

If you do not see your cameras, please double check the settings.



Powertec Inc. Samsung CCTV Security

Favorites

Tools

Help

File

Edit

View







Network setup

10. Internet Explorer – Remote Area Setup

• **Remote Area Setting:** Please use the instruction below if you are viewing it from the remote area. The Remote area applies any computers not directly connected through the same router or same network as where the DVR is connected.

| Po | owert | ec Inc. | Samsung | ССТУ | Security |
|------|---------|---------|-----------|-------|----------|
| File | Edit | View | Favorites | Tools | Help |
| n. | the all | 10 | | | 1 0 |

> Open an Internet Explorer.

| MAC | Address |
|---|--|
| System Info | 416EB-2 |
| Video type H/W version S/W version Kernel version Mac address Audio Language German French Polish Russian | NTSC 1.10.4 1.3.1-7809 2.6.19.2.2 00:09:f8:62:12:34 Support Korean English Spanish Japanese Italian Slovak |
| Polish Russian Turkish Czech | Italian Slovak |

• Menu \rightarrow System Information

- > Erase everything off of the address bar.
- > Type in the DVR address. (Last 3 pairs of the MAC) see example below.
- Type <u>http://xxxxxx.udrdns.net:xx</u> (xx: Port#).
- > After entering the address, press enter.
- > Disable any pop up blocker you may have.

| Login | |
|----------|----|
| User | |
| Password | |
| à | ОК |

- ➢ Select "Admin" or "User".
- > Default password is 111111.
- Press "OK".



"Install Activate X"

> When logged in for the first time, it is require to install the "Activate X".

> Once "popup" is disabled, message will appear to install "Activate X"

> If you do not see your cameras, please double check the settings.







11. Multi-Viewer_RT





"Group Add"





> Install the Client into the computer.

- Run the program "Multi-Viewer_RT".
- Click "Connect" on top left.

> Group Add.

• If they have default group added in, select them and delete them off.

- Click "Group Add".
- Create group name and password.
- Press "OK".

> DVR Add.

- DVR Name: Select any name.
- DVR Address: IP address (Local); Mac address (Remote).
- Port: Port #.
- DVR Model: Select appropriate model.
- · Select the camera channels to be viewed.
- Select Admin/User#.
- Input appropriate password.
- · Click "DVR Add".
- · Click "Save".

Press "Connect".

• If you cannot view the videos, please check your settings.



12. Unimap (E-maping)



- > Install the Client into the computer.
 - Run the program "Unimap".

- "Load Map"

- > Click "Edit E-map".
 - Input the password and click "OK".

- > Click "New".
 - Input the password and click "OK".

- > This is where you would load a map.
 - Insert "Main name".
 - Insert "Sub name".
 - Formats for the maps:
 - Bitmap Files (*.bmp)
 - Jpeg Files (*.jpg)
 - Press "OK" after loading the map.

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13. Unimap (E-maping)



Load DVR.

- Load Mviewer List: Loading the saved list from Multi-viewer.
- Load DVR List: Loading the DVR.
- "Save" list after loading.

- > Locate cameras into the map.
 - Drag the cameras into the map and place them.

"Drag and Place"



"Double Click"



> Save the E-map list.

• After placing the cameras, click "E-Map" from the menu and "Save".

• After successfully saving, click "View E-map" located bottom left.

> View the E-map.

• Double Click the name of the map that has been created under the "E-map List" to view the map if it does not load.

• Double click on the cameras to open the video.

Mobile Viewer

14. PDA

Check List

- Set up fps value of JPEG data on DVR.
- Set up DVR network so that PDA device can access to WLAN/LAN.
- You can check if JPEG data is coming up from DVR by selecting "Stream Type" as JPEG on RAMS setup menu.

• Once you finish DVR setup, please download pertinent "Mobile Viewer" software program onto your Mobile Device. Currently Unitek DVR supports the following platform.

- » Windows Mobile 5.0 Pocket PC (ARMV4I)
- » Windows Mobile 5.0 Smart Phone (ARMV4I)
- » Windows Mobile 5.0 Professional (ARMV4I)
- » Windows Mobile 5.0 Standard (ARMV4I)



> Connecting DVR.

• Select "Connect" on Menu.



> By using Add button, please input DVR address to be connected.

-

- Once you input User & Password, it's automatically saved on PDA device for next easy connection.
- If you don't input them now, you will need to input them when connecting to the DVR.

Mobile Viewer



15. PDA



> Connecting DVR.

• Input the password and connect.



Image: Second secon

> Changing Channel.

- Channels being displayed are the channels connected at the time.
- Select the channels you would like to view from the list.

> Controlling PTZ.

- Select PTZ Control from the menu.
- \bullet To close PTZ menu, select "Close PTZ" from the menu.

Smart Backup



16. Smart Backup

| MUU | Delete | Modify | Log | Setting | | Hide |
|------|---------|--------|---------------|-----------------|-------------|--------|
| Name | Address | Period | Schedule Time | Data Begin Time | Data Length | Status |
| | | | | | | |
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|---------------------------|----------|---------------------------------|----------------------|--------|
| DVR | | | | |
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| Port | IT CH5 | LL CHE | IT CH7 | L_ CH8 |
| | IT CH9 | IT CHI0 | IT CHII | T CHI2 |
| | IT CH13 | IT CH14 | CH15 | CH16 |
| PW | | T Audio | F I Fram | e Only |
| Jata Begin | Data Len | gth | | |
| 0 Day before | Day | Hos | ir - | Minute |
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| HH : 0 • MM : 0 • | | | | |
| | | | | |

Name (Dally C Weeks Time C Once CHI IT CH2 CH3 IT CH4 Address CH5 I_ CHE T CH7 IT CH8 T CH9 IT CH10 IT CHI T CHI2 ADMIN 1D F CH14 F CH15 - CH16 CH13 All Only Minute • Day before 0 * 0 Begin Tim • MM = 0 * $HH : \overline{10}$ OK Cancel

> Install the Client into the computer.

- Smart Backup utility allows users to backup the data's into the PC.
- Run the program "Smart Backup".
- Add: To add new schedules.
- Delete: To delete schedules.
- Modify: To modify schedules.
- Log: To view the executed schedules.
- Setting: Program setting.
- Hide: To minimize the program into the tray.

> Schedule.

- Name: Select the name.
- Time: Select the time when to execute the backup.
- Daily/Weekly/Monthly/Once: Select from the list.

> DVR.

- Address: Input the DVR address. (IP or DNS)
- Port: Input the port that was opened for the DVR.
- ID: Select Admin/User#.
- PW: Input the password.
- Channel 1~16: Select which channels to backup.
- Audio: Select to backup audio.
- I Frame Only: Will backup I Frame only, which will also speed the backup speed due to less file size. May not be smooth picture.

** Video compression consists of I-frame, P-frame and Bframe. I-frame: in effect a fully specified picture, like a conventional static image file. P-frame/B-frame: holds only the changes in the image from the previous frame.



17. Smart Backup

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| Post | IT CHS IT CH6 IT CH7 | T CH8 |
| | T CH9 T CHI0 T CHII | T CHI2 |
| ID ADMIN - | T CH13 T CH14 T CH15 | - CH16 |
| PW | T All T Audio T I Frame (| Only |
| lata Begin | Data Length | |
| Begin Day Day before | Day Hour M | inute |
| Begin Time | | * |
| HH : 0 💌 MM : 0 💌 | | |
| | | |

➤ Data Begin.

• Begin Day: Select how many days ago data you would want from the scheduled date. (i.e. if the current date is 05/12/09 and the begin day "7" is selected, it will backup data from 05/05/09)

• Begin Time: Select the time you would like to backup from the date you have selected above.

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Data Length

• Select the length you would like to backup.

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|--------------|-------------|--|
| Start with ' | Windows | |
| Start in tra | y icon mode | |
| Save | | |
| Path | | |
| C;₩ | | |

> Setting.

- Start with Windows: The program will automatically start when window starts.
- Start in try icon mode: When the program executes, it will minimize into the tray.
- Save: Select the location where backup to be saved.