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 ►		Sear	Г	20	08 Me	87	-	
Still Image Search ►		SUN	MON	TUE	CIED	THU	FRE	SAT
			-	0	77	1	2	30
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Search → 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.

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Basic operation procedures



8. Search (continuous)



Start time	2008/06/04 178 05
Range	23 23 hour Onin
Channe1	(GN 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	L	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>), Bl		8CH Composite, 8CH Loop through, BNC	16CH Composite, 16CH Loop through, BNC		
Spot	Single channel for 40 (<i>Spot function is only fo</i>		Single channel - 408C Multi channel - 408	Single channel -416C Multi channel -416		
Video output	1CH Composite BNC, 1CH Spot(Single/Multi), 1CH VGA (<i>Spot function is not available for 4004</i> .)					
Video Compression	MPEG-4					
Recording resolution	720x480, 720x240,360x240(NTSC) /720x576,720x288,360x288(PAL)					
Recording Quality	4 Levels(Normal, Enhanced, Fine, Super 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)	240fp 200fp	s at Half D1(NTSC) ps at CIF (NTSC)- 408C ps at Half D1 (PAL) s at CIF(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)	1,2,3,4,5,6,8,10,15,30 (NTSC,10 Steps) 1,2,3,4,5,7,9,13,20,25 (PAL,10 Steps)					
Recording mode	Schedule, 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,>	<32,x64	x128, Field by Field(F	orward, Backward)		
Sensor input	4 (NO/NC Selectable)	8 (NO/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), (DDNS server available		
Slow motion		x1/4	, x1/2(Forward Only)			

Specifications

Model	UDR-404,4004	UDR-408/ 408C	UDR-416 / 416C			
Motion detection	22x15(NTS	SC) /22x18 (PAL), 8Level S	Sensitivity			
Hard Disk	Max. 2EA(1EA for 4004)	Ма	ax.2EA			
Backup		2.0), CD-RW/DVD-RW, N er2.0) & Network is availab				
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, Men 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	Network, USB Memory stick, CD-RW (Only Network & USB Memory stick is available for 4004)					
Password Function	Power OFF, MENU, Record OFF, Key Lock					
Power source	Free Voltage (100 – 240VAC, 50Hz/60Hz) using adaptor(12VDC, 42W)	Free Voltage (100 –240VAC, 50Hz/60Hz, 70				
Dimension	280(W) x 320(D) x 44m(H)	433(W) x 3	385(D) x88(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 (NTSC) 240fps(NTSC) 100fps (PAL) 200fps(PAL)			480fps 400fp:	(NTSC) s(PAL)
Max Recording Speed	120fps at Ful 100fps at Fu		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)				О	
Daisy chain Out	Х		0			D
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 Subnet Mask: 255.255.255.05 Default Gateway: 192.168.0.1 D:
	▼

➤ Inside the Command Prompt → type "ipconfig"

	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

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

- 01



Check List

 $\mbox{-}$ Use the computer that is directly connected to the router where DVR is connected

> Open an Internet Explorer.



- > 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.

Site: 192.168.62.1	
Realm Realm1	
User Name admin	_
Password ****	
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.

Anntinetiene				_	-	Ethe	riestii Cable	OSL Router III SPOT
Applications & Gaming	Setup	le un	,	Anna		d inistration	Sature	
	Pain Rang	pe Formers	-	_	Petto	1,2941	(and a second	ote - ber
Port Range Forwarding							_	Part Range Forwarding
				Por	rt Range			Port Range Torvi ording can be used to set up public services
	Application	sur		ted	Protocol	IP Address	Inabled	on your retwork. When users must be internet water pretty of the
		0		0	Both 💌	192.168.1 0	п	regionsts on your network, the Rovier can forward Doore
		0		0	Both •	192.588.1	r	requests to consulers equipped to harde the requests 10 for
		0	10	0	Both +	192.160.1	r	example, you set the pirt number 32 (01177) to be
		0	te	0	Both +	192.168.1	r	three around to P another as 192,193,1,2, men as KTTP
		10		10	Both ·	192.968.1	г	requests from subside usions with the forwarded to 182,185,172 Bit
	100	0	-	0	Both .	192 168 1 0	F .	is recommended that the
		6	4	0	Both +	192.103.1	F	
	-	10	4	0	Both .	192 168 1 0	r	Teacher and the latter to establish a web barrer or TTP
	-	a		10	Boh -	192 188.1 0	r .	server us at P Deleving Se-
	-	0		0	Both +	192.166.1 0	r	Horn-

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				
Ross	FRENCH	Protection C	inal of pinal		L	Accele Der SPI	itten freis
Bock Will Respect a	E	Rei Aconynous Arr Malcart	internet Requisits	V 21.1		201	
		Rer Internet NAT	Destruction				

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 Network Type Setup JPEG Frame rate Frame rate(FPS)		
Network Type Setup > JPEG Frame rate	Network Setup	
JPEG Frame rate	DDNS Setup 🕨	
	Network Type Setup	>

Network type DDNS Link	(STATES)
Port	S0 -
IP Address	192.108. 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	
RT	Sully	70.111.209.35	
RT	testLA	6202c7.udrdhs.net	
RT	murat	u6202d5.udrdns	
RT	408 PTLA	6202c7.udrdns.net	8000
RT	test	630115.udrdns.net	9000 🗸
<			2
	DVR M	Iodel MPEG 4(RealTh	
	DVR N		
	DVR Ad		
	DAK YO	fress 192.168.1.250	
		Port 3037	/
	E		
		Add Modify D	elete
		ADMIN	•
		Incomen	
	Pass	word	_
		Canal I	_
			-
		Connect Ck	ose

» 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.

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.



Click "Connect"	
	(MAC Address)

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

DVR Name DVR Address Port 192.168,1.250 612430.udrdns.net 612420.udrdns.net 8000 8000 316 demo4004.udrdn... demo.udrdns.net 70.111.209.35 demo4004 8000 demo 8000 Sull 8000 testi & 6202c7 udidos net 9010 6202c7.udrdns.net 6202c7.udrdns.net 630115.udrdns.net 8000 ni rat 408 PTLA 8000 9000 DV8 Mode FIVE Name DVR Addre 192.168.1.250 Port 3033 Add Modify Delete ADMIN Password Connect Close

» 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.









8.

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

"Install Activate X"

> Press "OK".

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

http://192.168.1.200:8000

Tools

Help

File

address

Edit

Back

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	werte	ec Inc.	Samsung	ссти	Securit
File	Edit	View	Favorites	Tools	Help
ni.	Back	-		12	1 0

> Open an Internet Explorer.

ystem 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 Frenc	n Spanish Japanese
Polish Russi	an Italian Slovak
Turkish Czech	

Menu → 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://xxxxx.udrdns.net:xx</u> (xx: Port#).
- > After entering the address, press enter.
- > Disable any pop up blocker you may have.

Login	
User	ADMIN
Password	
	ОК

\triangleright	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

Add	Delete	Modify	Log	Setting		Hide
Name	Address	Period	Schedule Time	Data Begin Time	Data Length	Status

Тіте НН : 0 💌 ММ : 0 💌		C Weekdy C Monthly C Once		4 4
DVR-				
Address	Г СНІ		IT CH3	
Port	IT CH5	L_ CHE		L_ CH8
	Г СН9	IT CHI0	I CHII	T CH12
	CH13	IT CH14	CH15	I CH16
PW		T Audio	F I Fram	e Only
Data Begin Begin Day	Data Len	gth		
0 Day before	Day	Hou	ir.	Minute
Begin Time	0	- 0	*	0 -
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

ichedule Name		(Daily		
P		C Weekly	Sunda	10 W
Time		C Monthly	1	
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IVR -				
Address	IT CHI	IT CH2	IT CH3	IT CH4
Port	IT CH5	I CH6	IT CH7	T CH8
	IT CH9	IT CH10	IT CHII	CH12
ID ADMIN	IT CH13	CH14	CHIS	CH16
PW		F Audio	F I Fram	e Only
lata Begin	Data Len	gth		
Begin Day Day before	Day	Hou	r	Minute
Begin Time	0	- 0	*	0 -
нн : 0 • мм : 0 •				
OK.		Cancel		

➤ 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.

Name		☞ Daily		
P		C Weekly	Sunda	1 -
Time		C Monthly	1	
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DVR				
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and the second s	IT CH13	IT CH14	CHIS	F CH16
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Data Begin	Data Ler	igth		
Begin Day				
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Begin Time	0	* 0	*	0 -
HH: 0 - MM: 0 -				
			-1	

Data Length

• Select the length you would like to backup.

Start with Windows	
Start in tray icon mode	
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lath	
⊇;₩	

> 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.