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STARWATCH VIEW PRO SOFTWARE USER MANUAL

STARWATCH VIEW PRO User Manual

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Chapter

Installation Environment

STARWATCH VIEW PRO Introduction

This chapter explains STARWATCH VIEW PRO's main functions and installation environment.

STARWATCH VIEW PRO MAIN FUNCTIONS

STARWATCH VIEW PRO Program could be linked to our existing access control programs, STARWATCH ITDC PRO/STARWATCH DUAL PRO, and provide visual power of Digital watching and recording.

STARWATCH VIEW PRO is perfectly compatible with our Access Control System software and can control various digital surveillance support and additional function which will increase your ability to secure the willing perimeter.

Recommended Device Adoption

STARWATCH VIEW PRO supports integrating various image observational device.

Provider	Туре	Model			
	Network Video Server	WebEye B101(1CH), WebEye B106(6CH)			
WebCata		eDVR DS1600 Series(16CH),			
webGale	DVR	eDVR DS800(8CH),			
www.wegbateinc.com		eDVR DS412(4CH+IPCam 12CH),			
		i-Rec B104(4CH)			
Seyeon Tech	Natural Video Conver	FW-3440(4CH),			
www.flexwatch.com	Network video Server	FW-3110(1CH)			
		Netsafe-DVR 1000Series			
Win4NET <u>www.Win4NET.com</u>	DVR	Netsafe-DVR 2000Series			
		Netsafe-DVR 3000Series			
		Netsafe-DVR 7000Series			

* Please refer to each device manufacture website according to detail device specification.

STARWATCH VIEW PRO is continuously going to support various kinds of DVR.

• Dual Monitor Support

One monitor can display 16 channels at a time and 32 channels can be sensed at a time when using dual monitor-support VGA card.

Multi Screen Support

The software supports multi screen function (1, 4, 10, 13, 16) which user can choose the number of screens to display according to his/her convenience after considering the number of cameras and importance of the viewing sites. We recommend the user to put important viewing site at the convenient location among the partitions.

Continuous surveillance option

It supports continuous surveillance on (1, 4, 10, 13, 16) channels. Use this option on your own convenience.

PreAlarm function

STARWATCH VIEW PRO the recording function for passed view in buffer from minimum 5Sec to maximum 30Sec. When card event alarm or something unusual occurs, recording or viewing initiates according to the time schedule user arranged previously..

Event log and Map Function Support

When an event alarm occurs, according to preset configuration, designated recording and viewing function will initiate and show the surveillance site together with the location of the camera on the perimeter's blue print. Recorded viewing will be marked on the event log and it can be play-back or connected to the map(blue print) to see the event-occurred-location

• Various Record play-back function

Continuous play-back, forward and reward play, various replay-speed-set function.

• Exporting Image and avi file function

Recorded screen can export through BMP and AVI files. Created file through export can be played through image viewer or avi player.

• Camera device Search function

It supports to search camera device which is connected through local network. Administrator doesn't have to remember which camera is connected to which IP. This function can save your time.

• Multi Language Support

Multi Language support basically two languages (Korean, English). Additional 5 languages can be supported through inputting language-data by user.

Unified user interface

User interface of View Pro is unified with iTDC Pro, and Dual Pro (icon images). If you are familiar with our access control software already, it would be very easy to familiarize.

STARWATCH VIEW PRO Program Setup Requirements

Operating System

STARWATCH VIEW PRO is 32-bit Windows compatible program. This program can be operated in Windows 2000 Professional, Server Edition and upgrade version, Windows XP Home and Professional Edition.

STARWATCH VIEW PRO Program doesn't support Windows 98, ME, NT 4.0.

STARWATCH VIEW PRO Program is recommended to install in Windows 2000 Professional or Windows XP Professional. This OS is powerful and stabilized. It will enable STARWATCH VIEW PRO work steady, and safely.

Using Hyper-Threading Technology Problem

Windows2000 operating system does not support Hyper-Threading Technology (HTT). If you want to use HTT, Confirm OS support HTT.

Minimum Server Specification

Minimum configuration is suitable to the less than 6channel system. Enlargement of memory can improve system function. Sufficient space of HDD makes it possible to record longer time.

- ✓ CPU : Pentium III-700 or higher
- ✓ MEMORY : 256 megabyte or higher
- ✓ HDD : 2G or higher(More than 20G to record screen)
- ✓ NETWORK : 1 Ethernet Card
- ✓ OS : Windows 2000 Professional or Windows XP Home

Recommended Server Specification

Recommend Configuration is suitable to 6~16 channels system. We recommend PC with f below mentioned specifications. Enlargement of Memory and enough space of HDD recommended.

- ✓ CPU : Pentium 4 1.5G or higher
- ✓ MEMORY : 256 megabyte or higher
- ✓ HDD : 4G or higher(more than 40G to record screen)
- ✓ NETWORK : 1 Ethernet Card

✓ OS : Microsoft Windows 2000 Professional or Microsoft Windows XP Professional

Optimal Server Specification

Performance Configuration is suitable to 16~32 channels middle to large sized system. We recommend to use Sever Computer with below mentioned specifications. Enlargement of Memory and enough space of HDD recommended.

- ✓ CPU : Pentium 4 -2G or more / recommend dual CPU
- ✓ MEMORY : 512 megabyte or more
- ✓ HDD : 8G or more(more than 80G to record screen)
- ✓ NETWORK : 1 Ethernet Card
- ✓ OS : Microsoft Windows 2000 Server or Microsoft Windows XP Professional

Installation

STARWATCH VIEW PRO Program Installation

This chapter leads you to install STARWATCH VIEW PRO Program.

STARWATCH VIEW PRO Program Setup

Operating System)

The following is the STARWATCH VIEW PRO installation OS.

Microsoft Windows 2000 Professional Edition (SP4 or more)

Microsoft Windows 2000 Server Edition (SP4 or more)

Microsoft Windows XP Home Edition (SP1 or more)

Microsoft Windows XP Professional Edition (SP1 or more)

Also, it is not mandatory, but we recommend installing Internet Explorer 6. If you do not have this browser, you can download at Microsoft Web Site.

http://www.microsoft.com/downloads/search.aspx?displaylang=en

Microsoft Office 2000 Program

STARWATCH VIEW PRO uses the Microsoft Access 2000 database within the Microsoft Office 2000 application.

Microsoft Office 2000 program is not mandatory, but it's convenient for database and user operation (Installing Microsoft Office XP works the same). We strongly advise to install it if you already have the program.

Installation

Find the setup file in '/install files' folder in the software CD and double click it to initialize its installation.

1) As the following window shows on the screen, click "Next" in order to star the installation process



2) Click "Next" to install it in the default directory. In order to change its install directory, click" Browse" and choose a folder to install the STARWATCH VIEW PRO software .



3) Click "Install" to start its process.

🔂 STARWATCH VIEW PRO - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to begin installation.	44
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. exit the wizard.	Click Cancel to
L ³	
InstaliShield	
< Back	Cancel

4) During the process, you will see the installing status. Please wait.



5) If completed, it shows as below. Click "Finish" to finish it.



Installing WebEye 2.0 Program (For WEBGATE WebEye Series)

- 1) Execute WebEye 2.x.x.x Installer.exe in \Utility\WEBGATE folder in Setup CD.
- 2) Press the "I Agree" button.

🖑 WebEye 2.0.3.8 Installer Setup: License Ag 🔳	
You must agree to this license before installing.	
WebEye 2.0 - End User License Agreement Copyright (C) 2003-2004 WebGate Inc. All Rights Reserved	
Notice for User This End User License Agreement (EULA) applies to the registered version of WebEye 2.0. You should carefully read the following terms and conditions before using this software. This EULA is a legal agreement between you (an individual or a single entity) and WebGate Inc. for eDVR Manager software, which may include associated CD-ROM, printed materials, documentation, media, and Internet related on-line documentation. By installing, copying, or using this product, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this agreement, do not install or use this	
Cancel Nullsoft Install System v2,0b3	e

3) Select a file to install, and press the "Next" button.

🖞 WebEye 2.0.3.8 Inst	aller Setup: Installation 🗐 🗖 🔀
This will install the WebE	ye 2.0 Ver.2.0.3.8 on your computer. Select which : installed.
Select components to install:	 ✓ ConfigStation ✓ MiniPlayer ✓ OneTimePassword
Space required: 5.2MB	System v2.0b3 < <u>B</u> ack <u>Next</u> >

4) Select a folder to install and press the "Install" button.

🖁 WebEye 2.0.3.8 Installer Setup: Installatio	ən 🔳 🗖 🔀
Choose a directory to install in to:	
Select the folder to install WebEye 2.0.3.8 Installer in:	
C:₩Program Files₩Digital Image World₩WebEye 2.0	Browse
Space required: 5.2MB Space available: 9.2GB	
Cancel Nullsoft Install System v2.0b3 < Back	[Install]

5) Complete to install with pressing the "Close" button.

Quick Initialize

This context leads you to start STARWATCH VIEW PRO Quick Initialize. This is useful when executing minimal function of software before reading the manual. If you want specific manual, read Program Environmental Setup

1) Click [View] -> View Surveillance menu in Access Control Program.



2) Click Environmental Setup button.



3) Select Monitor-1 in the tree view menu on the left side.

📅 Camera Definition					×
Edit Tools					
•			Add 🖓 Modify	/ 📿 Delete 🏻 🏠 Sav	re 🙀 Close 🍅
H. Monitor-1		Basic Info.	Map Info.	Reader Event Info.	Input Event Info.
		Camera Equipment Info.			
		Code		Name	
		IP Address		Port No 80	
		Login ID admin		Password	
		Channel No 1 Channel		Active 🔽	
	Ľ				Advance
	Ŷ	CH Info.			
		Motion Detection			
		Video Mode 2 GDI	•		
		Alarm Duration	, , , , 5Sec rec	ording Time(Sec)	. , 5Sec
		Frame Rate	· · · · 5 A	Marm Frame Rate	, , 10
		Rec Path c:\Temp	1		Browse
Server Info.			UDD Secret	I IP Address Model	Mac Adre Port Serial N
Use Monitor 🗖		Device Type WEBGA	TE UDP Search		
			Apply		
			IP Change	fff .	
		Save	Q		
	_				

4) Click the check box of "Use Monitor" and select the video device type that is connected to the system.

Server Info.	
Use Monitor	Device Type WEBGATE 💌
	WEBGATE
	FLEXWATCH
	WIN4NET_DVR
	Save 🏠

5) If the device is DVR, have to enter IP address, Port No, Login ID and Password in each fields.

-Serve	r Info. Use Monitor	V	Device Typ	e WIN4NET	_D' ▼
	IP Address	211.232.50.50	Port N	o 2000	
	Login ID	administrator	Passwor	а 📃	
			ſ	Save	

6) Click UDP-Search button.

-Server Info. Use Monitor 🔽	Device Type FLEXWATCH -	UDP Search	1	IP Address	Model	Mac Adre	Port	Serial N
		Apply IP Change	E					
	Save 🦓			•				Þ

6) Select one of the searched lists and click Apply button.

UDP Searc	:h	IP Address	Model	Mac Adre	Port	Serial N
Annly		211.232.76.106	FW-34	00:30:6F:	80	
Арріу	<u>_</u>					
IP Change	- Mi					
		•				Þ

- 7) Insert code and name. Code and name can be inserted as user's will and code is consisted of English and number
- 8) Insert IP Address. If UDP search is used, choose selected IP Address and click Apply button to insert IP Address and port automatically.
- 9) Insert Login ID and Password

(WEBGATE initial value: admin, FlexWATCH initial value : root, Win4Net DVR : not use)

- 10) Click save button and after that click close button to close setup.
- 11) You can verify screen played in main screen. .



Quick Initialize is not a desirable setup to run software. To use it right, we recommend you to read the manual thoroughly.

3 Program Structure

STARWATCH VIEW PRO Program Structure

This chapter explains the structure of STARWATCH VIEW PRO. It explains Main screen structure, Toolbar, Directory and Database file.

Main Window

STARWATCH VIEW PRO Main Window consists of 3 parts

Top section consists of menu of tool bar. The middle part shows screen display. Bottom section shows status. User can initiate function quickly and efficiently by using the main screen.



Function List

Toolbar



Icons in Toolbar are most frequently used program functions. The functions for each Icons are as listed below.

	Toolbar Icons				
	Viewing 1 Partition	Watching 1 channel with high-resolution.			
Ð	Viewing 4 Partition	Watching 4 channels with mid-resolution.			
	Viewing 10 Partition	Watching 2 channels with mid-resolution and 8 channel with low resolution.			
Ē	Viewing 13 Partition	Watching 1 channel with mid-resolution and 12 channels with low resolution.			
	Viewing 16 Partition Watching 16 channels with low resolution.				
\$	Continuous Watching Mode	Start continuous watching mode or Exit.			
1Partition Continuous Watching		Setup continuous watching mode in 1 Partition screen.			
		Setup continuous watching mode in 4 Partition screen.			
Next Partition Continuous Watching		Convert partition screen to next channel.			
ø.	Next Continuous Watching Screen	Convert continuous watching screen to next channel.			
76	Setup	Setup camera device information.			
(Reconnect	Try to reconnect setup-channel.			
`	Language	Language Setup			
	Exit	Exit Program			

Program Folder

This explains folder which STARWATCH VIEW PRO is installed.

STARWATCH VIEW PRO Program is installed in

C:\Program Files\STARWATCH\STARWATCH VIEW PRO folder

The folder which is installed program can be changed by user.

Database Structure

STARWATCH VIEW PRO Program consists of 2 database file. All database files are created as Microsoft Access 97 files. But to read or modify data it can be opened in Access 2000. Do not convert the file to other database version (Access 2000, Access XP)

Database files consist as below.

ViewPro.mdb

Main database file of STARWATCH VIEW PRO program which preserves device information, event setup information and event log.

STAR-LANGUAGE.mdb

Multi language database file in STARWATCH VIEW PRO which preserves all the literal information placed on the screen.

Chapter

Δ

Initial Setup

STARWATCH VIEW PRO Initial Setup

This chapter explains installation items setup, after installing STARWATCH VIEW PRO.

Run

To execute program click View Camera menu in STARWATCH ITDC PRO or DUAL PRO's [View]-[Video Surveillance] menu.

View(V)	Report(R)	Time/Atte	endanc
Outpu	it Status/Cor	ntrol Ctrl+f	-1
Trans	action Status	\$	•
Comm	unication Sta	atus Ctrl+f	-3
Video	Surveillance		

Program Configuration

Configuration

To setup configuration click toolbar or setting button after STARWATCH VIEW PRO main screen displayed.



UDP Sever Broadcast

Camera device (camera server, DVR) which is connected to local network can be searched automatically by this function. This makes it easier to verify device information, change of IP Address and setup camera setting.

UDP Server Broadcast

1) Select video device type to search it in the network.

Server Info.	
Use Monitor 🔽	Device Type WEBGATE 💌
	WEBGATE
	WIN4NET_DVR
	Save 🖓

2) Click UDP Search button.

-Server Info. Use Monitor 🔽		UDP Search	IP Address	Model	Mac Adre	Port	Serial N
	,	Apply 🚑 IP Change					
	Save 🏠		•				▶

- Searching Result
 - 1) The result of UDP Broadcast is as below.
 - 2) When clicking searched device in list you can see detail information of device.

UDP Search	h	IP Address	Model	Mac Adre	Port	Serial N
<u></u>		211.232.76.106	FW-34	00:30:6F:	80	
Apply	Ð					
IP Change	- AR					
		•				►

[Reference]UDP Broadcast is broadcasting local network. When device is connected in remote area broadcasting doesn't work.

IP Change (For WEBGATE video servers)

When device is connected for the first time, to use device you should setup IP Address.

- IP Change
 - 1) Search device using UDP Broadcast.
 - 2) Click device which you want to set IP Address in selected device.
 - 3) Click IP Change button.

LIDP Search	h l	IP Address	Model	Mac Adre	Port	Serial N
		211.232.76.90	B106	00:30:a1:	80	B10350
Apply	8					
IP Change	m					
		•				•

- Input Changed Information.
 - 1) Insert IP Address you want to set. If you don't know the address, contact administrator.
 - 2) Insert administrator password. "ADMIN" is default value.
 - 3) Click Save Button.

📆 Chang	e IP Addr	ress	
Change Address		211.254.210.84	
Admin Password		*****	
Mac Addre	:88	00:30:a1:40:3c:40	
	Save	Close 🤇) 👰

3) After verifying Completed message, click Close button.

Changing IP Address by WebEye2.0 ConfigStation (For WEBGATE video servers)

After connecting WebEye to Network, its IP address should be changed according to each Network environment to access WebEye normally.

- 1) Run WebEye II ConfigStation in PC.
- 2) All WebEyes, which are connected to local Network, are displayed in "Local Area Servers"
- 3) Select WebEye.
- 4) Change its IP address suitably.
- 5) Enter password.
- 6) Press the "Change IP" button.

WebEye 2.0 ConfigStation			i _ X
Refresh			
My Servers	Information	Content	
211 232 76 81	Ed Course Maria	Unkford	
211,232,76,82	Derver Name	WEDLYE	
- 211,232,76,84		100	
- 211,232,76,86	Hardware version	1.0.0	
	Cavial Market	2.0.0.1029	
	Senar vulleer	00/20/01/10/40/17	
	분위 MAC Address	00.0011/001017	
	Description	Welcome to WebEve World	
	Testal Lession	Seed Keren	
	<u>Che</u> Us Pes	age IP 211 - 232 - 76 - 81 r ID admin sword □ Seve Password IV Advanced Mode Login Exit	

If IP address is changed, WebEye shows new IP address in "Local Area Servers".

IP Address Change (For FlexWATCH video servers)

When device is connected for the first time, to use device you should setup IP Address.

IP Change

1) Install Utility\FlexWATCH\FlexWATCH Explorer_1.xx_xxx.exe on CD.

2) Run FlexWATCH Explorer on show desktop.

3) Running window is as shown below.



Menu Description

A. Search	Show models searching FlexWATCH which is installed on same network band.
B. Clear	Delete all list which have been searched.
C. IP Setup	Set up network information.
D. Recommend IP Setup	FlexWATCH sets up network information automatically. * If no use devices have temporarily, duplicate IP may occur. / * If no use devices have temporarily, IP may collide.
E. Connect	Link homepage of corresponding device. * PC band should be same with FlexWATCH IP band.
F. Search List	Show searched list.
G. Total	Show total devices which are searched.
H. Found	Show total devices which are searched normally. * After searching, total devices which are searched normally when researching.
I. Timeout	Show total devices which don't respond on stop. * After searching, total devices which aren't searched normally when researching.

1) Click "Search" icon.



2) Click right button of mouse for IP Setup among list which have been searched.

Server Name	IP Address	IP Type	HTTP Port	Mac Address	Model	
Contraction of the second	10.19.225.92	static	80	00306F830E1A	FW-5440-A	
Connect Flexiv	ATCH .226.56	static	80	00306F830D59	FW-5440-A	
IP Setup	.225.87	static	80	00306F830E17	FW-5440-A	
IEXWATCH	10.10.225.90	static	80	00306F830E14	FW-5440-A	- 33
lexWATCH	10.10.101.77	static	80	00306F83085B	FW-5440-A	
lexWATCH	10.10.213.192	static	80	00306F830626	FW-1110LW	
IC:WATCH	10.10.225.54	static	80	00306F830DF0	FW-5440-A	

Menu	Description
A. Connect FlexWATCH	Link homepage of corresponding device.
B. IP Setup	Set up network of corresponding device.

- 3) Click IP Setup.
- 4) Enter settings for network setup.

Server Name	Elso ATCH
Jerver Name	INEXWATCH
Vetwork	
IP Address	10 . 10 . 222 . 10
Netmask	255 . 255 . 0 . 0
Default Gateway	10 . 10 . 1 . 1
DNS1	168 . 126 . 63 . 1
DNS2	168 . 126 . 63 . 2
HTTP Port	80
PPPoE User Name	-
PPPoE Password	,
PPPoE Confirm	
-Authentication Key-	,
Root password	
- Save Configuration I	Option
Save Configuration	ion
O Not Saving	

Menu	Description
A. IP Type	Select "Static".
B. Server Name	Set up "Server Name" that "FlexWATCH".
C. Network	Network Settings Information
	(Contact network manager and then set up it.)
IP Address	Enter "IP Address".
NetMask	Divide IP band.
Default Gateway	Enter "Default Gateway".
DNS1, DNS2	Enter address of "Domain Name Server".
D. HTTP Port	Use default 80 (FlexWATCH) of HTTP Port.
E. Authentication Key	As Root password, default value is "Root".
F. Save Configuration Option	Save network settings.
Save Configuration	Save on the flash memory about all settings.
Not Saving	Don't save all settings.
	* In case of not a saving, if device is off or reboot, current settings may disappear.

- 5) After finishing network setup, click "Set" icon.
- 6) If changed IP researches rebooting a device, network setup will be completed.

Camera Definition

Setup screen is to be shown as below

T Definition Camera				X
Edit Tools				
1		Add 🖓 Modify	🛷 Delete 🛛 🏠 Save	🕼 Close 🔇 🍅
Monitor-1 Monitor-2	Basic Info. - Camera Equipment Info. Code IP Address Login ID admin	Map Info.	Reader Event Info. Name Port No 80 Password	Input Event Info.
Use Monitor	ChannelNo 1 Chann	nel 💌		Advance

Shortcut key

Shortcut key which is used in setup screen is as below.

Function	Shortcut key
Add	CTRL + A
Modify	CTRL + M
Delete	CTRL + D
Save	CTRL + S
Close	CTRL + X, Alt+ F4
Treeview	CTRL + T

Monitor Select

Select Monitor which camera will be added. Only one monitor is shown when loading program first. After clicking monitor click Add button.

The Definition Camera										×
Edit Tools										
@				Add 🖓 Modi	fy 🔇	Delete	資 Save	e 🙆	Close	٩
B- Monitor1 B- Monitor2	1	Basic Info. - Camera Equipment Info. Code IP Address Login ID adm ChannelNo 1 Ci	in	Map Info.	<u> </u>	Reader Eve Name Port No Password	nt Info.		Event Info.	
Use Monitor 🦳										
WEBGATE 💌										

- Basic Info
 - 1) Click Basic Info tab.

	Basic Info		Ma	ap Info.	ifo. Reader Event Info.			nput Event Ir	nfo.
-Can	nera Equipment	Info. ——		_					
	Code				Name				
	IP Address				Port No	80			
	Login ID	admin			Password				
	ChannelNo	1 Channe	:I	-					
								Advanc	e)
-CH	Info.	_							
	Active I	<u> </u>		Moti	on Detect Rec.				
	VideoMode	2 GDI		•					
A	MarmDuration	. <u>.</u>		5Sec	PreStart(Sec)	/	_	5 Sec	
	FrameRate			5 A	larmFrameRate 🗍	. <u> </u>	_ ·	10	
	RecPath	:\Temp						Browse	

- 2) Insert basic info of camera device orderly.
- 3) IP Address can be registered by using broadcasting UDP function.
 - 1. Click device which you want to setup in selected list.
 - 2. Click Apply button.
 - 3. In the IP address field it shows the IP selected in UDP search.

Basic Info.	Map Info.	Reader Event Info.	Input Event Info.
Camera Equipment Info.			
Code 22		Name 2Test	
IP Address 211.232.76	106	Port No 80 🥖	
Login ID admin		Password ****	
Channel No 1 Channel		Active 🔽	
- CH lofo			Advance
Motion Detection		Voice Port	use : blank, use : port no aut:32001)
Video Mode 2 GDI	_	PTZ Board 😰 🔍 (not use	: blank, use : 0 ~ 255)
Alarm Duration	· · · ·	ording Time(Sec)	, / 30 Sec
Frame Rate	<u></u> /30 ∧	Jarm Frane Rate	, / 30
Rec Path c:\Temp			Browse
		1	
Device Type FLEXWA	TCH - UDP Search	IP Address Model 211 232 76 90 B106	Mac Adre Port Serial N 00:30:=1: 80 B10350
,	Apply	211.232.10.30 B100	00.30.41 00 010330
	IP Change	<u>88</u>	
Save	Â	•	L D

	Basic Information List
Code	This is a unique code for each channel. You can define by Inserting English alphabet or 4-digit number briefly. The codes should not overlap between each other.
Name	This is a brief name which explains channel for your convenience.
IP Address	This is IP number of camera device. If you don't know IP number of connected device, use UDP Broadcasting.
Port Number	This is connected Port number of camera device. Default number is 80.
Login ID	Login ID's default value is 'admin'.
Password	Login Password.
Channel Number	Choose the channel number you wish to surveil. Number of channels can be vary due to the connected device. Refer to H/W manual to check supported channel number.
Activate	Decide whether to use a channel or not. If you want to use the channel check, and if you don't, just leave setting value and don't check.
Motion Detect Rec.	Use Motion detect recording
Voice Port	[FlexWatch Only]This is connected Port number of Voice device. Default number is 32001
Video Mode	Choose your preference of screen mode. Selectable between DirectX and The basic graphic. [Reference 1]
PTZ Board ID	[FlexWatch Only] This is connected Bard ID of PTZ Device. Not use : blank, Use : 0 ~ 255
Alarm Duration	Choose how long the alarm will beep when an alarming situation occurs. Alarm Sustain Time is the time of screen recording.
Pre-Recording Time(Sec)	Define the time to start recording screen – how many seconds before alarm event occur. [Reference 3]
Frame Rate (Frame / Sec)	Frame per Second in normal status. [Reference 2]
Alarm Frame Rate	FPS during sustainable Alarm time.
Record-Path	The Path screen file will be saved. [Reference 4]

[Reference 1]Screen Mode - If using DirectX, VGA can card handle screen process so CPU can work easily. But if VGA doesn't support DirectX or DirectX version is low, the screen couldn't be displayed. In this case, install latest DirectX version or use default graphic.

[Reference2]FPS –The higher Fps the softer screen image shows. But if FPS gets higher, CPU usage statistics climbs which is not recommendable.

[Reference3]Pre-Recording works using PreAlarm which is saved in device buffer. Buffer memory in device contain minimum 5~30 Sec PreAlarm. And if alarm occurs, watching and recording starts using screen data saved in buffer. The screen data transmitted will display fast movement until the present time.

[Reference4] Record Path – Recorded screen is saved as re3 file type in HDD. Enough space of HDD is required. If physically divided HDD is, this could upgrade program function.

Map Info

1) Click 'Open' button.

Basic Info.	Map Info.	Card Event Info.	Input Event Info.
-Map Info			
Map File			Open 🔇
	ap ø		Left

2) If Open window screen shows, choose map image file of chosen channel and click Open button.



4) When the Map image is displayed Drag&Drop camera where it's actually installed.



Reader Event Info

1) Click Reader Event Info tab.

	Ba	sic Info.		Ϋ́	Map Info.		Read	der Even	t Info.	Int	put Event Info	
Ev Ap	ent Info. ply Defa	ult Rea	der ·	(Loop 1	Bo	ard 0	Read	er 1	Clear	÷	-
1 2 3 4	Loop 1 1 1 1	Board 0 0 0	Reade 1 2 3 4	ReaderN Reader 1 Reader 2 Reader 3 Reader 4		Loop	Board F	Reader	EventT,	ipe	EventAction	
•					▼ •							▼ ▶

- 2) Double-click Reader from left List.
- 3) 2Choose Event Type.
- 4) Choose Event Action.
 - There are 5 situation configurations.
 - 0 Ignorance: Ignores event.
 - 1 Watch: Show passed screen to watch event situation.
 - 2 Record : Record Event
 - 3 Capture Image
- 5) Continue 2) and 4) and register all the card event setup which you want to handle.

Card Event Items				
Port Number	The Port number is to communicate with ACS device which is connected to camera.			
Board Number	Board Number of ACS device which is connected to camera.			
Reader Number	Reader Number which is related to camera			
ValidID	Granted card event occurs.			
InValidID	Disapproval card event occurs.			
InValidTimeSchedule	Disapproval card event occurs during disapproval time.			
AntiPassbackInErr	Occurs when someone try to violate AntiPassBack(IN)			
AntipassbackOutErr	Occurs when someone try to violate AntiPassBack(OUT)			
PasswordErr	False Password.			
AccessDoorErr	False ID.			
FingerErr	Undefined Fingerprint.			
DuressErr	Someone's trying to force a personnel to let him in.			
Forced Door Open	When someone try to open the door without authorization.			
Door Opened	When someone try to open the door beyond the setting time			
Arm	When alarm is set.			

Disarm	When alarm is released
Handicap	On Handicap Person Mode
2Men Guard	When 2Men Administrator ID is authenticated
2Men Visitor	When 2Men Visitor ID is authenticated
2Men TimeOut	Excessive 2Men Authentication Time

[Reference 1]Screen Mode - If using DirectX, VGA can card handle screen process so CPU can work easily. But if VGA doesn't support DirectX or DirectX version is low, the screen couldn't be displayed. In this case install latest DirectX version or use default graphic

Apply Default Reader

Select a reader for each camera in relation of video recording/monitoring of the reader site. The inter-connection among readers and cameras is to be applied for video pupup display and recording in the main software of access control.

1) Select one of the readers on the left list and click on "Apply Default Reader" .

Basic Info.	Map Info.	Reader Event Info.	Input Event Info.		
Basic Info. Event Info. Apply Default Reader	Map Info. Loop 1 Br ReaderName Loop Reader 1 Reader 2 Reader 3 Reader 4	Reader Event Info.	Input Event Info.		
<			×		

Input Event Info

	Bas	sic Info.	,	Map Info.	Info. Card Event Info.). J	Input Event Info.	
-Inpu	t Senso,	r Event Ir	nfo. ——								+ •
	Loop	Board	Input	EventAction	٠		Loop	Board	Input	Conter	nt EventAction 🔺
1	1	0	1	Exit Button		1	1	0	2	Door Conta	act 1 Monitor 💌 🔜
2	1	0	2	Door Contact		2	1	0	1	Exit Button	▼
3	1	0	3	Input #3							0 None
4	1	0	4	Input #4							1 Monitor
5	1	0	5	Tamper S/W							3 Canturelmage
6	1	0	6	RF1 OK							
7	1	0	7	RF1 ERROR(Invalid I							
8	1	0	8	RF1 ERROR(Invalid							
9	1	0	9	RF1 ERROR(Invalid /							
10	1	0	10	RF2 OK							
11	1	0	11	RF2 ERROR(Invalid I							
12	1	0	12	RF2 ERROR(Invalid							
13	1	0	13	RF2 ERROR(Invalid /							_
		n	1.4	Duroos Modo	-		-1				
						-					

- 1) Double-click Event from left list.
- 2) Input contents. You can input name which is compatible with input event. Ex) Fire Alarm, Exit button.
- 3) Choose a way to react when each input event occurs. You have 3 choices as below.0 none: Ignore occurred event.

- 1 Monitor: Display passed screen to watch event occurred.
- 2 Rec: Record event occurred situation.
- 3 Capture Image: Capture BMP image.
- 4) Continue 1) and 3) and register all the input event setup which you want to handle.

[Reference] Camera Device can be used as combination of a reader or a controller. So use the Card event setup or the input event setup properly according to the installed reader location, each sensor or button locations, and the camera locations.

- Save, Modify, Delete of registered information
 - 1) When configuring the camera devise is done, click save button.



- 2) If you want to modify camera information, click the camera which you want to modify in tree view and modify. After modifying is completed click save button.
- 3) If you want to delete camera information, click the camera which you want to delete in tree view and click delete button.

담 Definition Camera						
•			Add	🖓 Modify	⊘ Delete	đ
Dual Monitor Use 📄	Basic Info.	Map Info.	Card Eu	vent Info.	Input Event Info.	Ţ
	PortID	1		BoardID 0		
- Hop A4	ReaderNo	2	Rea	idenvarile [102		

Dual Monitor Use

When your VGA card supports dual monitor mode, each one of your monitor can support 16 channels(maximum 32 channels) to display.

- Multi-Monitor Setup
 - 1) In order to use dual monitor, click on the check box of "Use Monitor" on each monitor (Monitor-1, Monitor-2).

i ⊑… 💂 Monitor-1
🔤 🖅 🔁 🖓 🗠 🗠

E D» 11
E 44

🖻 🖳 Monitor-2
E 02
ED # 03
E D 04
L
Use Monitor 🔽
FLEXWATCH 💌
- Multi-Monitor Use Screen.
 - 1) When using Dual Monitor View Pro, 2 main windows appear.



- 2) You can simply locate the VIEW PRO window at the convenient place as you wish.
- 3) When exiting the program, each window locations, partition screen option, and the continuous watch option are saved automatically.
- 4) When you restart the program, the display will be as saved from your latest exit.

Camera channel location

User can move the location of the camera channel as preferred.

- Moving channel up and down.
 - 1) Enlarge tree view by clicking monitor image.
 - 2) Click channel which you want to move.
 - 3) Move to the place you want by using up and down button on the right.



Location of channels is as same as location of VIEW PRO Main screen displays. You can move channels to the place as you prefer.

Moving channel to the other monitor.

You can move setup channel to the other monitor by dragging and dropping of mouse.

- Moving channel to the other monitor
 - 1) Enlarge tree view by clicking monitor which has channel you want to move.
 - 2) Click camera you want to move by using the right button of the mouse.
 - 3) Move the mouse to the place where you want to put the camera by clicking.

4) Release your mouse button..



Automatic Delete

Automatic Delete supports to delete expired event log and video recording file automatically.

- Automatic Delete Use
 - 1) Click [Tools] -> Automatic Delete menu in Definition Camera Program.



2) If you want to use automatic delete Check Log delete than is old more than next.



3) Select a period



4) Click save button and after that click close button to close setup.

🚹 Automatic Delete	
Log delete that is old more tha	n next 🗖
1 hours	•
Save 📐 🍙 Close	٩



Main Screen Function

This chapter explains the STARWATCH VIEW PRO Main Screen Function in detail.

Main Screen Function Explanation

STARWATCH VIEW PRO supports various functions to control ACS effectively.

Partition Screen Mode Definition

Partition Screen Mode Definition consists of 1 partition, 4 partitions, 10 partitions, 13 partitions and 16 partitions.

According to the count of channels to watch and importance of location, you can select appropriate partition modes.

- Language

 1 Partition

 4 Partitions

 10 Partitions

 10 Partitions
- Partition Mode Kinds

13 Partitions							
16 Partitions							
Partition Mo	de Select						
You c	an	select	Par	tition	Mode	using	Toolbar
🔜 View Pro)		-				
			۱ 🔘 🔇	0 🕼	🔂 🕅	- 39 - 68	• 🔁

Continuous Watch Mode

Continuous Watch Mode is the function to show not displayed channel every set-time .



Location of Continuous Watch Mode function button



Continuous Watch Mode can be set by using toolbar's function button or right-bottom side function.

Continuous Watch Mode Set

Continuous Watch Mode can be set or set off by clicking Toolbar button or clicking continuous watch use check button. When Continuous Watch Mode is set, basically it works in Sequence View Area.



- Continuous Watch Mode Set in Main View Area.
- 1) As full view mode to change screen every set time, you can set continuous watch mode.



Full view continuous watch mode works only when screen is 1 or 4 partition mode.

Period ______ 6000 ms

Set Sequence Monitor Converting period in Sequence Mode. Unit is milliseconds and can be set from 1000ms \sim 6000ms.

Next View

Show Current partition mode or sequence monitor next view.

Next View (Main View Area)

: Show next view of partition Viewing Area. For example, Every time clicking next view (Main View Area) in 4 screen partition is show as

1~4 Monitor -> 5~8 Monitor -> 9~12 Monitor -> 13~16 Monitor -> 1~4 Monitor

In 10 Monitor Partition every time clicking button shown as

1~10 Monitor -> 11~16 Monitor -> 1~10 Monitor

Next View (Sequence View Area)

: Show next monitor in Sequence View Area. Every time clicking next view monitor changes to next view.

Continuous Watch function or Next View function doesn't work when all the channels are shown current monitor partition.

Refresh

Because of temporary network problem or device problem camera connection failed then click 'Refresh' to reconnect all the set channels.

ℬ

Language

Supporting of multi-language make it possible change basic language used in program.

- 📎	B
Kore	an
Engli	ish
User	Language 1
User	Language 2
User	Language 3
User	Language 4
User	Language 5

Event Log

When event occurred according to setup record starts. The recorded event is written in event log, makes it easier to search and play recorded screens.

Event Log

Event log shows information like below.

	CH	Time	Name	EventType	Desc	Rec	▲	
1	A1	2004-04-21 14:38:17	A1	ValidID	25500111	1	c:\Ter	
2	A1	2004-04-21 14:40:07	A2	InvalidID	25500121		c:\Ter	Play
3	A1	2004-04-21 14:49:55	A1	InvalidID	25500133	1	c:\Ter	
4	A1	2004-04-21 14:51:08	A1	InputEvent	Exit Button	×.	c:\Ter	
5	A1	2004-04-21 14:51:32	A1	InvalidID	25100110	1	c:\Ter	Delete
6	A1	2004-04-27 13:18:23	A1	InvalidID	25100141	×.	c:\Ter	
							-	
	1							

Event Log Items					
Channel	Show channel code which event recorded. This is user inserted value in camera registration setup.				
Time	This is the time event has occurred.				

Name	Show channel name. This is user inserted value in camera registration setup.
Event	Event type.
Definition	Definition of Event. Card Event shows number, input event shows explanation.
Record	Shows whether recorded or not.
File Path	The path file is recorded.

Event Log Delete

After verifying recorded screen if there is no problem, delete useless event logs. This will make your HDD space more available.

1) Delete 1 line

Click the line you want to delete and click the delete button.

	CH	Time	Name	EventType	Desc	Rec		
1	A1	2004-04-21 14:38:17	A1	ValidID	25500111	V	c:\Ter	
2	A1 1	2004-04-21 14:40:07	A2	InvalidID	25500121	Ľ	c:\Ter	2 Play
3	A1	2004-04-21 14:49:55	A1	InvalidID	25500133	~	c:\Ter	
4	A1	2004-04-21 14:51:08	A1	InputEvent	Exit Button	V	c:\Ter	
5	A1	2004-04-21 14:51:32	A1	InvalidID	25100110	V	c:\Ter	Delete
6	A1	2004-04-27 13:18:23	A1	InvalidID	25100141	Ľ	c:\Ter	
•								

2) Delete multiples lines

Drag lines you want to delete and click delete button.

	CH	Time	Name	EventType	1 Desc	Rec		
1	A1	2004-04-21 14:38:17	A1	ValidID 📲	25500111		c:\Ter	
2	A1	2004-04-21 14:40:07	A2	InvalidID	25500121		c:\Ter	2Play
3	A1	2004-04-21 14:49:55	A1	InvalidID	25500133	1	c:\Ter	
4	A1	2004-04-21 14:51:08	A1	InputEvent	Exit Button	1	c:\Ter	
5	A1	2004-04-21 14:51:32	A1	InvalidID 🐴	25100110	1	c:\Ter	Delete
6	A1	2004-04-27 13:18:23	A1	InvalidID	25100141	1	c:\Ter	
							-	
•								

Recorded Screen Play



Choose event log and click play button then player load and record.

1) Play 1 line

Click the line you want to play and click delete button.

2) Play multiple lines

Drag lines you want to play and click play button.

	CH	Time	Name	EventType1	Desc	Rec		
1	A1	2004-04-21 14:38:17	A1	InvalidID 🛛	25500111		c:\Ter	
2	A1	2004-04-21 14:40:07	A1	InvalidID	25500111	1	c:\Ter	Play
3	A1	2004-04-21 14:49:55	A1	InvalidID 🤜	25500111	1	c:\Ter	2
4	A1	2004-04-21 14:51:08	A1	InvalidID 🔥	25500111	1	c:\Ter	
5	A1	2004-04-21 14:51:32	A1	InvalidID	25500111	1	c:\Ter	Delete
6	A1	2004-04-27 13:18:23	A1	InvalidID	25500111	M	c:\Ter	

Map View

When event occurred or clicked event log then shows map of event-occurred location. Map shows location of installed camera.

1) Event Map

Event Map is shown when event occurred right away.



2) Event Log Map

Event Log Map shows the location of event-occurred location when clicking event log.

CH Time Name EvenTroc Desc Log SeauenceViewArea Capiton Capiton 1 1 200404/21143817 1 burdto0 25500111 C.Vier P P Capiton Capiton </th <th><mark>81 82 8</mark> 2004.04</th> <th>13 84 1.277 140:57318,524</th> <th></th> <th></th> <th></th> <th>7ips</th> <th>300</th> <th></th>	<mark>81 82 8</mark> 2004.04	1 3 84 1.277 140:57318,524				7ips	300	
UH Ime Name Event/upc Usics Pace All Current All Current All Current All Current All Current All Current Current Flag Flag Flag Flag Flag Flag Current Current Flag Flag Current Flag Current Current Flag					-log Sequenc		Cantion	- View Mode
I All Court-or-21 / 14.007 Instance Court-or-200011 C.N.B Image: Court-or-21 / 14.007 C.N.B Image: Court-or-200011 C.N.B		1 lime 2004.04.21.14.20.17	Name Eventlype Desc	Hec A	Jeuuenc	Series Carlas	AI 🕥 🕥	
Z All 2004-04-21 #4-000 µl Imvalia0 23000111 Imvalia0 C:N'er Play CH QL QL Sequence Monitor 3 All 2004-04-21 #4-955 All Imvalia0 25500111 Imvalia0 25500111 Imvalia0 Sequence Monitor Use Sequence Monitor Use Sequence Monitor Use Sequence Imvaliant Use Sequence Imvaliant Use Sequence Imvaliant Imvaliant <td< td=""><td>1 0</td><td>2004-04-21 14:38:17</td><td>AI 200000 2000011</td><td>C:\ler</td><td></td><td></td><td></td><td></td></td<>	1 0	2004-04-21 14:38:17	AI 200000 2000011	C:\ler				
3 A 2044-94-21 14:9355 A I InvalidU 2500011 Z C:\left Use Sequence Use Sequence Use Sequence Use Sequence I		2004-04-21 14:40:07	AI InvalidID 25500111	C:\ler	Play		СН 🔍 🔍	Sequence Monitor
I A DI ZUIA-DA ZUIA-DA DI InvalidU Zoblilli 🕐 còler 🔍 🗸 Name 🖓 🖓	2 A1		AI InvalidID 25500111	C:\ler	A			Use Sequence
	2 A1 3 A1	2004-04-21 14:49:55		💴 c:\ler			Name 🔍 🔍	1 1/10/01
5 A1 2004/04-21 14:51:32 A1 Invalid 25000111 Z c:\ier Delete Time 🕐 😋	2 A1 3 A1 4 A1	2004-04-21 14:49:55 2004-04-21 14:51:08	3 A1 InvalidID 25500111		Dolato			1 VIEW I
6 A1 2004-04-27 13:18:23 A1 InvaldD 25500111 № c:\1er	2 A1 3 A1 4 A1 5 A1	2004-04-21 14:43:55 2004-04-21 14:51:08 2004-04-21 14:51:32	A1 InvalidID 25500111 A1 InvalidID 25500111 A1 InvalidID 25500111 A1 A	🗹 c:\Ter	Delete		Time C [C]	
7 A1 2004-04-27 14:41:03 A1 InvaldID 25500111 🖉 c:\1er 300	2 A1 3 A1 4 A1 5 A1 6 A1	2004-04-21 14:49:55 2004-04-21 14:51:08 2004-04-21 14:51:32 2004-04-27 13:18:23	A1 InvalidID 25500111 2 A1 InvalidID 25500111 3 A1 InvalidID 25500111	i c:∖Ter c:∖Ter	Delete		Time 🔍 🔍	4 View
8 A1 2004/4/2/14/41/2 A1 InvaldID 25500111 🖉 c/1er	2 A1 3 A1 4 A1 5 A1 6 A1 7 A1	2004-04-21 14:43:55 2004-04-21 14:51:08 2004-04-21 14:51:32 2004-04-27 13:18:23 2004-04-27 14:41:03	A1 InvalidID 25500111 A1 InvalidID 25500111	≤ c:\Ter c:\Ter c:\Ter	Delete		Time 🔍 🔍 Event 🔍 🔍	4 View □



Recorded Screen Play Function

This chapter explains the STARWATCH VIEW PRO recorded Screen Play Function.

Recorded Screen Player Function Definition

Our player supports various functions to make it easier to play recorded screens comfortably.



Play Button

For easy and comfortable use, player provide icon button which is related to play.



	lcons related to Play
First	Move playing file to the start location.
Back	Move playing file to the backward location.
Backward Play	Plays backward.

00	Pause	Stop playing for a moment.
	Play	Playing forward.
	Forward	Move to the forward of playing file.
	Last	Move playing file to the last location.
	Open	Open playing file. File Open window loads.

Play Speed Adjustment

Play speed can be adjusted.

	00			Speed	Normal(x1)	-
	 	 	 		Serial View	₽

단계	
Slow(0.5x)	
Normal(1x)	
Fast(1.5x)	
Faster(2x)	

Continuous Play

When playing various recorded screens, player supports continuous play function. If you don't want to use Continuous Play uncheck Serial View.

	00			Speed	Normal(x1)
	 	_			Serial View 🔽

Play List Select

In couple of play items in list click the screen you want to play. The player plays the selected screen.

Select video List	
c:\Temp\1\41\2004-04-27 144125.re3	
c:\Temp\1\41\2004-04-27 144501.e3	

Image Export

Player supports exporting image by BMP file type when file is playing.

- 1) Input image save path and file name. Basic setup is same path and same file name with recorded file. Extension is saved to BMP automatically.
- 2) Click image save button to the location you want to send image. It is possible to pause play to export an accurate image.

Save Image	
c:\Temp\1\A1\2004-04-27 145018	Save Image 🛃

Motion Picture Export

It is possible to export playing screens as AVI file type.

-Export AVI File	c:\Temp\1\A1\200	Frames/Sec	30
		Export	-

- 1) Input AVI save path and file name. Basic setup is same path and same file name with recorded file. Extension is saved BMP automatically
- 2) Input fps. Default value is 30 fps. If Fps is low, screen interference is shown but file size is small and if high, screen interference is not shown but file size get larger.
- 3) Click Export button.
- 4) If Video Compression window loads, select a Compressor.

Video Compression	×
Compressor:	OK
Full Frames (Uncompressed) 💌	Cancel
Microsoft H.263 Video Codec Microsoft H.261 Video Codec Intel 4:2:0 Video V2.50	Configure
Indeo® video 5.10 Microsoft Windows Media Vide	About
Full Frames [Uncompressed]	

5) According to Compression type there can be additional input items. Input values according to type.



6) After all setup has been completed, click export start.

-Export	/I File c:\Temp\1\A1\200	Frames/Sec 30	1
		Export 📸	

Video Compression type can be different according to codec which user has installed. When error occurs during exporting is because of this. In this case use another codec. The problem because of codec is not in our technical support area.



Setting Serial Port

This chapter explains the WebEye Serial Communication Setting.(For WEBGATE WebEye Series)

Connecting & Setting Serial Port

B106 Connecting

Connection RS232

When connecting to GND, RX, TX, insert cables to 2~4pins followings.



Connecting RS422

When connecting to insert 6~9pins(R+,R-,T+,T-)

Connecting RS485

When connecting to insert 6~7pins(R+,R-)

B101 Connecting

Connecting RS232

When connecting to GND, RX, TX, insert cables to followings.



RS422Connection

When connecting to insert R+,R-,T+,T-

RS485 Connection

When connecting to insert R+,R-

Setting Serial Port

WebEye2.0 ConfigStation Login

- 7) Run WebEye II ConfigStation in PC.
- 8) All WebEye devices which are connected to local Network, are displayed in "Local Area Servers"

- 9) Select WebEye to access.
- 10) Enter password. Press the "Login" Button.

	-	
Refresh		
- R My Servers	Information	Content
	Server Name	WebEve
	Model Name	BID6
211,232,76,84	Hardware Version	1.0.0
211,232,76,00	Firmware Version	2.0.0.1029
	Serial Number	B10340720115
	MAC Address	00:30:a1:40:40:17
	₽₽ IP Address	211.232.76.81
	Description	Welcome to WebEye World
	📥 Install Location	Seoul, Korea
	C L Pa	lenge IP 211 , 232 , 76 , 81 Jeer ID admin assword Seve Password I⊄ Advanced Mode Login Exit

Setting Device

After connecting device to serial port, set a value according to device.

1) Log in WebEye and click the "Device" tab.

🛐 Information	📔 🚡 Syster	n [as Networ	k [🐼 User	·	🔞 Channel
占 Security 🗍	Device 段	👌 Sche	dule 🛛 🐙	Relay	ピ E-N	∕lail&F1	rp 🛛 🖁 ptz
Serial Port							
	Device		Interface	Parity	Stop	Data	Baudrate
COM 1	None		RS-232	None	1	8	9600
COM 2	[SERIAL_TP]		RS-422	None	1	8	9600
COM 3	None		RS-232	None	1	8	9600
Modem Initial Comn	nand			-			
- Sensor Tupe	,						
	04 05	00	-				
	NO NO	NO	-				
					_		
				0K	Ca	incel	Apply

2) Reference a next table and select port matched with device.

	RS-232	RS-422
B101	COM1	COM2
B106	COM1	COM3

3) Set the related serial port to "[SERIAL_TP]".

- Serial Port							
	Device						
COM 1	[(SERIAL_TP]	•					
COM 2	10, Lilin PIH-717X 11, Cannon VC-C4	-					
COM 3	13, Mitubishi CH 7300 13, Mikami PTC107						
Modem	14, Mikami P IC103 15, Samsung SPD1600 (SERIAL, IP) ([MODEM]	•					



PTZ Function

This chapter explains the PTZ function (For WEBGATE WebEye Series)

PTZ Device Setting

Set PTZ Port(for WEBGATE WebEye Series)

To operate PTZ correctly, set a protocol suitable for PTZ device, controlled port by each channel, and PTZ device address.

Select Device tab. See figure below. To set the PTZ protocol, select a protocol of PTZ Device. Input Interface, Parity, Stop, Data and Baud rate correctly.

Refresh	Dinformation	Device	#≇ Networ	k 🎝 E-Mailð	🗊 User FTP	1	6 Channel
Refresh ■ 0:1153.133.100 >> 211.53.133.100 >> 211.53.133.106 >> 21.53.133.107 >> 21.53.133.107 >> 21.53.133.109 >> 21.53.133.109 >> 21.53.133.109 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.100 >> 21.53.133.245	- Serial Port						
20 211,53,133,107		Device	Interface	Parity	Stop	Data	Baudrate
211,53,133,110	COM 1	2, Pelco P	RS-232	None	1	8	9600
- 30 211,53,133,112 - 30 211,53,133,120	COM 2	None	RS-485	None	1	8	9600
211.53.153.112 211.53.153.112 211.53.153.120 211.53.153.120 211.53.153.200 211.53.153.200 211.53.153.246 211.53.153.246	Modern Initial C Sensor Type S1 S2 NO NO	Command] <u>c</u>	incel	Acply

Γ	Serial Port-		
		Device	
	COM 1	[[SERIAL_TP]]	•
	COM 2	10, Lilin PIH-717X 11, Cannon VC-C4	
	COM 3	12, Mitubishi CH 7300 13, Mikami PTC107	
	Modem —	14, Mikami PTC103 15, Samsung SPD1600	
	Ini		•

Set PTZ Channel

Refresh	🔓 Security	Device	🔰 🥵 E-	Mail&FTP	PTZ
My Servers 211,53,133,108 211,53,133,106 211,53,133,106 211,53,133,106 211,53,133,106 211,53,133,106 211,53,133,110 211,53,133,110 211,53,133,110 211,53,133,112 211,53,133,193 211,53,133,193 211,53,133,200 211,53,133,248 WRS	Channel Ch Channel PT PT Pol	System annel Information On Black&Wh MD Sensitivit Z Give&Take Use	al Network ite □ Rotation1 y None Address 0 Service Time	NTSC ▼ NTSC ▼ 80 09 ▼ 30 ★ (sec) R r	everse Pan 「T Tilt

Input PTZ Port and Device Address in Channel tab.

PTZ Operation

PTZ Operation

Click right button of mouse at ViewPro Monitoring screen and select PTZ. See figure below.

If PTZ of Popup window is checked, shows a cross dotted line which is the center coordinates. And then, you can control PTZ.

If PTZ isn't operated although show a cross dotted line, it means PTZ setting is not correct.

CH1	S.
	Caption REC Start Save As File
	✓ PTZ
2004.03.26 17:43:10.142	25 ips

Occurs PAN/TILT operation during clicking left button of mouse Up and down, right and left from the center of a cross dotted line like fig below. If the position of mouse becomes more distant, PAN/TITLT moves rapidly from the origin.

You can Control FOCUS, Zoom operation to locate mouse pointer on both edge sides of a screen. To move the saved home position in PTZ device, click the center of a cross dotted line. It depends on what the device support or not.



PTZ Setting

Set PRESET

Support PRESET function by some kinds of PTZ device. Using PRESET functions, you can return the saved position again as save the position information.

See figure below.



Check the PRESET to register in Check List on the left side and then fit Camera direction, Zoom and Focus to set using PTZ Operation function.

Input Name in the Name field. Click Set button to set.

If you want to delete a saved PRESET position, click Clear button.

The count of PRESET to save can be different by device and used protocol.

Set GROUP

GROUP function is that rotate saved PRESET screens periodically.

Register PRESET to rotate to Seq list by turns like figure below. And select applicable GROUP on the left side. Then the position is moved periodically by saved turns in Seq List.

Moving Period is a movement time interval of RRESET.

Group			
Using	Group 1 Group 2 Gro	oup 3)	
C None	Name	Preset List	Seq, No,2
 Group 1 Group 2 	Door2 Moving Period	Preset 1 Preset 2 Preset 3 Preset 4 Preset 5	Preset 1 Preset 2
C Group 3	2 * (sec)	Preset 6 Preset 7 Procet 8	

PTZ Protocol and Device List to support

Provider	Protocol or Model
Pelco	Pelco D(M) / P(M)
Philips	Philips(M)
Sensormatic	Open P(M)
Sony	EVI-D
VT	VPT-4x(M)
Canon	VC-C4
Lilin	Past Dome(M)
	SPD2500
Samsung(Techwin)	SRX-100B
	Support DRX-500(->SRX-100B)
Sungjin	SJ-100 Series
Honeywell	ScanDome2
Patch	LPT-A100L(LG)
PTZ List	Newborn(M)(Japan)
	CIT7300(MITSUBISHI)
	PTC200C(ELMO)



Multi Language Setup

VIEW PRO Program Multi Language Setup

This chapter explains VIEW PRO Program Multi Language Setup instruction.

Using Multi Language Setup Program

The VIEW PRO Multi Language Setup Program is used to configure VIEW PRO Program multi language support. It is for the user to configure the language preference, form, menu, drop down list, and message functions to input and modify data.

Screen Layout

Initiating the VIEW PRO Multi Language Setup Program will display the following screen. Main window consist of left hand side menu and right hand side function types.



Multi Language Setup Program menu and its function types are the following.

✓ Set Language

Configure language preference by character style.

✓ Set Menu

Configure language preference for the top part menu display.

✓ Set Form

Configure language preference for characters in input/output on screen display.

✓ Set Message

Configure language preference for characters in message display.

✓ Set Drop Down List

Configure language preference for characters in all Drop Down Combo display.

✓ Set Etc

Configure language preference for the remaining categories.

✓ Exit

Save configuration.

Set Language

Language configuration is the setup of fonts for each language type.

Start

Select Set Language from left hand side menu.

- Setup
- 1) Select language used in language category.



2) Select Screen Font



3) Select Save button to save data.

Set Menu

Setup language preference for top part of menu.

Start

Select Set Menu from left hand side menu.

Setup

Multi Language input screen display the following, and the Korean and English languages are shown. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.

À	Set Menu				×
					Close
		Main M	enu Languag	e(Caption)	1
	Korean	English		User Define 1	User Define 2_
	시스템(&S)	System(&S)			
	포트 설정	Port Definition			
	패널 설정	Panel Definition			
	도머/리더 설정	Door/Reader Definition	in		
	입,출력 설정	Input/Output Definition	1 I		
	입력,출력 설정	Input/Output Point De	finition		
	입,출력 타임설정,접점 설정	Input/Output Timesch	edule,Type		
	-	-	line in the second	4	41.
	시스템 관리	System	Input	the user's language wi	เก
	기기 시간 설정	Set Time	Englis	sh as the standard bas	e.
	기기 초기화	Set Initialize	Ŭ		
	-	-			
	다이얼업 연결 관리	Dial-Up Chain Definti			
	-	-			
	로그온	Logon			
	로그오프	Logoff			
	-	-			
	종료	Quit			
	데이터베이스(&D)	Databse(&D)			
	회사 설정	Company Definition			
	-	-			
	부서 설정	Department Definition	1		
	직급 설정	Title Definition			
	출입유형 설정	AccessType Definition	1 I		
	-	-			
	지역/층 설정	Area/Floor Definition			
	-	-			
4	Ine la te	Mar Decales			
<u> </u>					

The above input will display the following screen. If all inputs are completed, select

Close button to finish. Inputs are saved automatically without a separate save function. All user needs to do is input data.

\land Set Menu			×
			Close
	Main Menu Languag	e(Caption)	7
Korean	English	User Define 1	User Define 2_
시스템(&S)	System(&S)	システム	
포트 설정	Port Definition	术-タ-	
패널 설정	Panel Definition	パネル.	
도어/리더 설정	Door/Reader Definition	もん	
입,출력 설정	Input/Output Definition	いぐち, /でぐち,	
입력,출력 설정	Input/Output Point Definition	いぐち, /でぐち,	
입,출력 타임설정,접점 설정	Input/Output Timeschedule,Type	タイム.	
-	-		
시스템 관리	System	システム	
기기 시간 설정	Set Time	しかん せってい.	
기기 초기화	Set Initialize	きき しょうき	
-	-		
다이얼업 연결 관리	Dial-Up Chain Defintion	ダイヤルれんけつ	
-	-		
로그온	Logon	ズム	
로그오프	Logoff	オフ	
-	-		
종료	Quit	しゅうりょう	
데이터베이스(&D)	Databse(&D)	7	
회사 설정	Company Definition	かいしゃ	
-	-		
부서 설정	Department Definition	ぶしょ	
직급 설정	Title Definition	しよっきゅう	
출입유형 설정	AccessType Definition	しゅつにゅう ゆうけい	
-	-		
지역/층 설정	Area/Floor Definition	ゾーン/そう	
-	-		
		**	Þ

As shown above, input the menu caption then select User Language 1 in VIEW PRO program, and it will display the following screen below.

🔞 Access Control, Time & Attendance System [S					
システム	デ しゅつにゅうとうせい	2			
8	かいしゃ	Ctrl+L			
ALAI	ぶしょ しょっきゅう	Ctrl+M Ctrl+N			
	しゅつにゅう ゆうけい	Ctrl+0			
	ゾーン/そう	Ctrl+P			
	ちず	Ctrl+R	E		
	ユ-ザ`-	Ctrl+S	⊢		
	<i>Ŧ</i> [*]	Ctrl+T			
	その他た	Ctrl+U			

Set Form

Setup of characters displayed in all input/output screen display.

Start

Select Set Form from left hand side menu.

Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.

\land Set Form							×
						Close	
		Formt	anguage(Caption)	1			
Korean	English		User Define 1		User Define 2	Us	;ei_^
회사관리	Company List		约??我?				
조회	Search		的??				
추가	Add		22				
수정	Modify		¥匀???β可				
삭제	Delete		197??弗BF可				
닫기	Close		风7有				-
▶ 검색조건	Search		ीम हन 🖈		-		
회사코드	Company Code	Inner	ماه من مع ماه م				
회사명칭	Company Name	i inpi	ut the user's				
등록된 회사목록	Company List	land	puage with Englis	h			
회사코드	Company Code		he standard hase				
회사명칭	Company Name	asi	ne standard base	-			
회사등록	Company Definition		auri				
저장	Save		3勺??				
- 닫기	Close		3勺??				
회사코드	Company Code		3勺??				
회사명칭	Company Name		3勺??				
부서관리	Department List		3勺??				
조회	Search		的??				
추가	Add		3 切??				
수정	Modify		??				
삭제	Delete		??				
	Close		??				
검색조건	Search		??				
회사	Company		??				
부서코드	Department Code		??				
부서명칭	Department Name		??				
	Barra and 1 1 at		20				۰Ē

As shown above, input the form caption then select User Language 1 in VIEW PRO program and it will display the following screen below.

💩 的??我?					×
<u></u>	的?? 🛃	?? 🥖	的???阿 💥	的??那啊 🐼	就?有
一仇阿尤——					
	哈?	-	[
	的??				
	65???	<u></u> ββøj		白气]??弗ββ可
自为??	?弗阝阿	的??那阿可		的??那厖可	值勺??弗β

Set Message

Setup of language message display in VIEW PRO program.

Start

Select Set Message from left hand side menu.

Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.

<u>A</u> :	Set Message		×
			Close
	Window Me	sage Language(Caption)	
	English	User Define 1	-
▶	Register Access Group Code		
	Register Access Group Name		
	The Access Group Code already exists. Select different		
	Unregistered Panel		
	Delete the data you select		
	Program can not find the data you are se		
	File path and name are not selected or I Input the	e user's language with English a	as 📃
	Text file is created the ctor	dard base	
	Excel File is Created	uaiu dase.	
	Register Company name, Access Code and Access	1	
	The Code already exists. Select different Code		
	Select data will be deleted		
	Register area code and name		
	Select port No. and Panel address		
	Select Panel Type		
	Select Door Type		
	Register Door name		
	Program can not find the data you are searching for		
	Select data will be Modified		
	Select data will be transmitted		
	All access door (reader) in selected panel shall be deleted		
	Register Employee's ID Number		
	Register Card NU.		
_	Select Company		
-	The linst 3 digit of 8 digit card number must not exceed 256 The left 6 digit of 0 digit card number must not exceed		
-	ne last o ugit ol o ugit caro humber must not exceed		
-	Register Name		
•			•

Message box display of Language: 1.Korean setup.

🗖 출입그룹등록	x
출입그룹 코드를 입력하세요.	
OK(K)	

Message box display of Language: User Language1 setup.

📑 的??我?	×
しゅつにゅう グループを インブットして.	
OK(K)	

Set Drop Down List

Configure language preference for input/output in all Drop Down Combo display.

Start

Select Set Drop Down List from left hand side menu.

Setup

Multi Language input screen display the following, and the Korean and English language can be seen. Input the user's language with English as the standard base.

For example, if using User Define 1 language, input the language preference by looking at the English Row.

Ń	Set DropDownList							×
							Close	
		[DropDownl	ist Language(Caption)				
	Korean	English		User Define 1		User Define 2	Usei	*
►	회사 코드	Company Code		fgjhhg				
	회사	Company		rtygyg				
	회사 코드	Company Code		uyuhuih				
	회사	Company		huhu				
	회사 코드	Company Code		會社 番戶				
	회사	Company		ihui				
	회사 코드	Company Code						
	회사	Company	Indi	It the user's				
	회사 코드	Company Code	lone	wooo with Englick				
	회사	Company	lang	juage with Englisi	1			
	회사 코드	Company Code	as t	he standard base.				
	회사	Company						
	포트변호	Port ID		自匀??弗KK可				
	코드	Code		自匀??弗印可				
	통신타입	Comm Type		的??弗耶可				
	포트변호	Port ID		自匀??弗印可				
	코드	Code		自匀??弗印可				
	통신타입	Comm Type		自匀??弗印可				
	통신포트	Com Port		自匀??弗邓可				
	속도	Speed		自匀??弗邓可				
	패리티비트	Parity Bit		é匀??弗耶可				
	데이터 비트	Data Bit		é匀??弗耶可				
	정지 비트	Stop Bit		é匀??弗耶可				
	컨버터 타입	Module Type		的??弗耶可				
	외장형	External		外場型				
	내장형	Internal		內臟型				
	포트번지	Port No		的??那啊				
1		Deservice.		6500EPPT			F	ŕ

DropDownList display of Language: 1.Korean setup.

코드	통신타입
1	Serial Chain
2	TCP/IP Chain
3	Dial-Up Chain

DropDownList display of Language: User Language1 setup.

的??那啊	的??那阿
1	Serial Chain
2	TCP/IP Chain
3	Dial-Up Chain

Set Etc

Setup of language for default value input items.

Start

Select Set Etc from left hand side menu.

Setup

Initiating the Multi Language input screen will display the following. Input language preference in CAPTION column using REF CAPTION as base. A separate column for Etc is not available. These values cannot be setup due to fixed value setup in database.

However, using REF CAPTION as base to modify the CAPTION column value, the fixed value of data language can be modified.

REF CAPTION cannot be modified. This value is for reference to language modification. The actual character displayed in program is the CAPTION column value.

5 S	et Etc						×
							lose
			Main Menu Langua	age(Caption)		
	Caption		REF CAPTION	. T			-
	Access Granted1		Access Granted				
	ccess Denied		Access Denied				
	nvalid Timeschedule		Invalid Timeschedule				
	htipassback(in)		Antipassback(In)				
	ntipassback(Out)		Antipassback(Out)				-
		-	Main Menu Langua	ge(Caption)		
	Caption _		REF CAPTION	Π			 -
	ccess Granted						
	ccess Denied	Inpu	it the user's				
	nvalid Timeschedule	land	uade with REF				
	Antipassback(In)	ang					
	Intipassback(Out)	CAF	TION as the				•
		stan	dard base		on)		
	Caption	0101					-
	Overtime Door Opened		Overtime Door Opened	П			
	Overtime Door Closed		Overtime Door Closed				
	orced Door Opened		Forced Door Opened				
	orced Door Closed		Forced Door Closed				
	xit Button		Exit Button				-
			Main Menu Langua	ge(Caption)		
	Caption		REF CAPTION	Π			
•	Vormal		Normal				
	ate		Late				
	bsence		Absence				
	Holiday Work		Holiday Work				

The modified details in VIEW PRO Multi Language Setup Program are applied immediately without rebooting the VIEW PRO program.

However, the current running screen needs to be closed and reopened to display the modified language.

Chapter **Device Specification**

Device Specification

Network Video Server(WP101 / WP106)

WP101 / WP106

Key Features

-Monitoring through existing CCTV camera over Internet -4.5 MB Flash Memory for Homepage Customization -Max. 100 Simultaneous Users Support -Max. 64 Points Preset Control (Group and Swing Mode Support) -WP101 only -RS232 and RS485/RS422 Port Support for PTG Control -Audio Support (Audio Support Kit is Optional) -Embedded Linux OS for Excellent Stability and Less Downtime -Wavelet Compression (30-300% greater efficiency than JPEG) for Higher Refresh Rate and Crisper Images -WP106 : 6 Channel Support / 6 External Sensors Support WP101 : 1 Channel Support / 4 External Sensors Support -S/W Motion Detection (each channel) -Encryption Capability for Added Security -E-Mail & FTP Function to Send Images when Sensors Triggered -Dynamic IP (DHCP, Floating IP) Support (when you use xDSL, Cable Modem, and PSTN)

-Easy Setting -WP101 only

-Accessible through Windows, Mac, Linux, and Unix

Specifications		
Model	WP101	WP106
Hardware	32bit RISC Embedded Processor	
	Flash Memory : 4.5 MB / RAM :	Flash Memory : 8MB /RAM : 16MB
	16MB / OS : Embedded Linux	SDRAM / ROM : 64KB / OS : Embedded
		Linux
Dimension(W x H x T) / Wight	35mm x 120mm x 120mm / 350g	40mm x 220mm x 240mm / 1.25kg
Image Resolution Control	720x486, 720x243, 360x243, 180x12	1, 90x60
Image Compression	Compression Algorithm : Wavelet	
	Compression Rate : 10:1~200:1	Compression Rate : 20:1~300:1
	Compression Speed : Max up to	Compression Speed : Max up to 30fps / 1
	30fps (NTSC) / 25fps(PAL)	channel, 6fps / 6channel
Performance (on 360X243)	Transfer Rate : Max up to 30fps (NTS	C)/(on 360x243)25fps(PAL)
Video Channel	NTSC or PAL Video Format	NTSC or PAL Video Format Supported /
	Supported / 1Ch. External Video	6Ch. External Video Input (BNC
	Input (BNC Connector) / 1Ch.	Connector) / No Internal Video
	External Video Loop Through (BNC	
	Connector)	
Management and Software	Remote System Configuration via Net	work
Upgrade	Software Upgrades via setup program	and ARP command
Security	Password (Based User or Administrat	ion Authentication) / IP-filtering (Secure
	Mode) / Image Encryption	
PTZ control	RS232, RS485/RS422	
Alarms and	Automatic E-mail /	Automatic E-mail /
	Automatic sending of Images	Automatic sending of Images through FTP
	through FTP	
1/0	4 alarms input	6 alarms input, 6 Digital Input(Coupler) /
MICO Exection	Llish Quelit Image Area Catting (6 Digital Output (Relay)
MISC. Function	High Quality Image Area Setting /	High Quality Image Area Setting / Image
	Image Quality Control (10 Levels) /	Quality Control (10 Levels) / Periodic
	E Mail and ETD 4 5MP Flagh	4 EMP Electh Memory for Hemopore
	E-IVIAII ATU FTF 4.31VID FIAST	4.5MB Flash Memory IOF Flomepage
	Customization / 64 Points Preset (5	Port
	Groups and 1 Swing Mode Support)	FOIL
	Audio Support via RS232 Port	
Power Supply	Input: AC 100~240V 50~60 Hz 0.3A	/ Output · DC 12\/ 1.0A
Browser	MS Internet Explorer Ver 5.0 or Later	/ Netscape Ver 4.7 or Later / IAV/A Applet for
Diowsei	non PC User (MAC or Unix)	
System Requirements	Processor · Pentium II 266 and above	(Pentium II 500 recommended)
Cyclonin requiremente	Ram : 64 MB and above	
	OS · Windows 98/ME/2000/NT	
Network	Protocol · TCP/IP ARP RARP ICMP	DHCP_ETP_SMTP_PPP_and PPPoF
	Line : 10-Base T Ethernet(R.I-45)	Line : Two 10-Base T Fthernet/Network
		Loop: Stackable up to 3 boxes only with 1
		IP)
SDK Support (not for	Program that enables Various Applica	tions
individual use)		

Network Video Server(FlexWATCH 3440)

FlexWATCH 3440

Key Features -32Bit CPU Embedded System

-Stable stand alone system

-4Input Video and 4 loopthrough Video out

-Performance : Maxumum 120 frames/sec

-Cost Effective and Easy 4CH Network DVR solution

-Remote System management -RS232 and RS485/RS422 Port Support for PTG Control

-Audio Support (full duplex Audio Support Kit is Optional)

Specifications

Model		Flexwatch-3440			
	CPU	32bit Embedded Processor			
System	Flash	6M Byte			
	SDRAM	64M Byte			
17:1	Input	4CH, 1.0Vp-p, [75ohm/Hi-Z]Composite BNC, Loop-Through			
video	Output	4CH, 1.0Vp-p, [75ohm/Hi-Z] Composite BNC, Loop-Through			
Compressio	on Algorithm	HARDWARE JPEG, M-JPEG			
Video Level	6 Level	Low Compression, Highest, High, Normal, Low, Lowest			
Video	NTSC	704x480,704x240,352x240,176x112			
Resolution	PAL	704x576,704x288,352x288,176x144			
Prot	tocol	HTTP, TCP/IP, ARP, TELNET, FTP, RARP, PPP, PAP, MLPPP, CHAP, SMTP, DHCP, JAVA, ETC			
Perfor	mance	Max 60fps(NTSC), 50fps(PAL)			
Letwork	LAN	Ethernet 10/100-Base-T [RJ-45]			
	Input	4ch(NC/NO selectable Input)			
ALAKWI I/O	Output	4ch(NO Relay Output)			
Alarm Buffering		MAX 2400 FRAMES PRE/POST BUFFERING			
Com Port	RS-232/	SELECTABLE CONNECTION			
Aux Port	RS-485/	Console/Modem/Serial Device			
		F 4 0 or Netscape 4 0 Higher			
Support	Browser	Windows, Unix, Linux, Mac, OS/2			
Viewer	Active-X	RECORDING / PLAY S/W			
Security	Supprot	Admin/ User Level Password Protection(up to 100user) IP Filtering(IP restriction) Image Encryption			
Etc Fi	inction	No Video Detection, Hardware Motion Detection			
	E-mail	E-mail service triggered by event condition sets			
Service	FTP	FTP SERVICE TRIGGERED BY EVENT OR SCHEDULE CONDITION SETS			
	Dynamic IP	xDSL/Cable dynamic IP support			
Power	Supply	DC 12V/1.5A [SMPS]			
Wi	ght	1 Kg			
Dimension(W x H x T)		200X231X44mm			

DVR(WebGate)

DS412 / 800 / 1600S / 1600D / 1600Q

Key Features

- Differential Wavelet compression algorithm(WISE technology)
- Intelligent file system for managing event triggered source and instant power failure - 1 channel audio recording & playback
- Possible to run system integration with using same protocol of WebEye/i-Rec series
- Maximum 4TB storage capacity (IEEE 1394 for external HDD)
- ATM/POS transaction information text recording and search with corresponding video
- Built-in hardware motion detection with search function (64-division comparison)
- Various efficient back-up methods (IEEE 1394(FiWi), Ethernet)
- Easy running and controlling PTZ by Remote controller/ Keyboard
- Dynamic IP (DHCP, Floating IP) support (when xDSL and Cable Modem are used)
- Management Software over Network (eDVR Manager)
- Network Time Protocol(NTP) support for time synchronization
- Possible to support SDK for system integrator and project manager (including Mobile SDK)
- Certification : UL, CE, LVD, FCC, CE, VCCI

Specifications

Model			DS412 DS800			
Video Input	Analog ch		4 BNC Connectors (NTSC/PAL)	8 BNC Connectors (NTSC/PAL)		
video iriput	IP ch		12 IP Camera via Network	N/A		
Video Output	Monitor (M	ux)	2 Composite			
Video Compressio	on		WISE (Differential wavelet)			
	Speed	Analog ch	60/50ips(NTSC/PAL)	240/200ips (NTSC/PAL 8 channel full motion display)		
Display	-	IP ch	60ips	N/A		
	Resolution		720x486 (NTSC) / 720x576 (PAL)			
	Multi Scree	en	1, 4, 9, 13, 16ch	1, 4.9ch		
	Speed		120 / 110ips (NTSC/PAL)	60/50ips(NTSC/PAL)		
Becording	Resolution		720x243 (NTSC) / 720x288 (PAL)			
Recording	Internal		2E – IDE Drivers (3.5")			
	External		IEEE1394 connection Max. up to 4TB			
	Speed(NTS	SC/PAL)	120 / 110ips (NTSC/PAL)	60 / 50ips (NTSC/PAL)		
Playback	Resolution		720x243 (NTSC) 720x288 (PAL)			
	Multi Scree	n	1,4ch			
Backup/Copy			IEEE1394 Storage: Backup, USB Fresh Memory Disk: Copy, IEEE1394 CD-R: Backup & Copy			
Text Data Recordi	ing		Access Control / POS / ATM			
Pre/ Post Alram			10sec / 60sec			
PTZ Preset			8 Points per channel			
PTZ Protocol			RS232 / 485 / 422			
Serial Port			RS232 9 Pin D-Sub connector/ RS232 Terminal Block/ RS422 / 485 Terminal Block			
External Interface			2 IEEE 1394, 1 USB (v1.1)			
Alarm	Sensor In		4(DC 12V, 12mA) Dry Contact			
Alaini	Relay Out		4(DC 220, 100mA)			
Audio Input/Outpu	t		1 line-in(1Vpp) / Microphone(S/W selection) /1 line-out(1Vpp)			
Network			10/100 Ethernet (RJ-45)			
IR			Remote Controller			
Network Control			Software application : eDVR Manager			
Protocol			TCP/IP, ARP, ICMP, DHCP, PPPoE, NTP			
Operation System			Embedded Linux			
Temperature Range			Operation: 5 ~ 45 $^{\circ}$ C / Storage: -10 ~ 45 $^{\circ}$ C			

Relative Humidity		Operation: 30~80% RH Below / Storage: 93%					
Dimensions (W x D x H)		306mm x 280mm x 67mm					
Weight(Kg)		3.5 ka(with one 80GB HDD)					
Power Consumption		54W Max./ Typical 35W(DC1	2V)				
Power Supply		Input: AC90~240V, 50/60Hz	/ Output : DC	12V, 5.0A			
	Model		DS1600S	C	DS1600D	DS1600Q	
Video Input Analog ch		16 BNC Connectors (NTSC/F	PAL)				
Video Output	Monitor (M	ux)	2 Composite				
Video Compressio	'n	·	WISE (Differential wavelet)				
Display	Speed	Analog ch	480/400ips (NTSC/PAL 16 cł	80/400ips (NTSC/PAL 16 channel full motion display)			
	Resolution		720x486 (NTSC) / 720x576 (PAL)			
	Multi Scree	en	1, 4, 9, 13, 16ch				
	Speed		60/50ips(NTSC/PAL)	120 / 110ip	os(NTSC/PAL)	240 / 200ips(NTSC/PAL)	
Becording	Resolution		720x243 (NTSC) / 720x288 (PAL)			
Recording	Internal		2E – IDE Drivers (3.5")				
	External		IEEE1394 connection Max. u	p to 4TB			
	Speed(NTSC/PAL)		60 / 50ips (NTSC/PAL)				
Playback	Resolution		720x243 (NTSC) 720x288 (PAL)				
	Multi Scree	en	1, 4, 9, 16ch				
Backup/Copy			IEEE1394 Storage: Backup, USB Fresh Memory Disk: Copy, IEEE1394 CD-R: Backup & Copy				
Text Data Recordi	na		Access Control / POS / ATM				
Pre/ Post Alram	.9		10sec / 60sec				
PTZ Preset			16 Points per channel				
PTZ Protocol			RS232 / 485 / 422				
Serial Port			RS232 9 Pin D-Sub connector/ RS232 Terminal Block/ RS422 / 485 Terminal Block				
External Interface			2 IEEE1394, 1 USB (v1.1)				
A la 199	Sensor In		4(DC 12V, 12mA) Dry Contact				
Alarm	Relay Out		4(DC 220, 100mÁ)				
Audio Input/Output	t		1 line-in(1Vpp) / Microphone(S/W selection) /1 line-out(1Vpp)				
Network			10/100 Ethernet (RJ-45)				
IR			Remote Controller				
Network Control		Software application : eDVR Manager					
Protocol		TCP/IP, ARP, ICMP, DHCP, PPPoE, NTP					
Operation System		Embedded Linux					
Temperature Range		Operation: 5 ~ 45 $^{\circ}$ C / Storage: -10 ~ 45 $^{\circ}$ C					
Relative Humidity		Operation: 30~80% RH Below / Storage: 93%					
Dimensions (W x D x H)		430mm x 370mm x 43mm					
Weight(Kg)		5.5 kg(with one 80GB HDD)		5.5 kg(with one 12	20GB HDD)		
Power Consumption			85W Max				
Power Supply			AC90~240V, 50/60Hz				
DVR(Win4NET)

KEY Features

- DVR1016 : Suits with low-end market at Max.120fps recording speed.
- DVR2016 : Max.240/200(NTSC/PAL) recording speed for 32ch DVR7064 : Max.480/400(NTSC/PAL) recording speed for 64ch
- Supports all 64ch live monitoring and high resolution and recording speed
- Powerful and flexible network functions provide convenient surveillance and expandable management.
- Intelligent surveillance functions improve valuable asset protection
- Various search features provides easy, fast and accurate data retrieve
- Saves system resource with innovative high compression algorithm
- Provides cost effective system management by controlling up to 100 DVRs simultaneously

Model		DVR1016	DVR2016	DVR7064	
O.S		MS Windows 2000/XP(ED)			
Video Input(BNC)		16 CH	32 CH	64 CH	
Compression Type		'CUBIC' (M-JPEG based, 2~3KB/Frame)			
Display Speed (NTSC/PAL)		120 FPS	[480 FPS]x 2 / [400FPS] x2	[480 FPS]x 4 / [400FPS] x 4	
Recording Speed (NTSC/PAL)		120 FPS	240 FPS / 200FPS	480 FPS/ 400 FPS	
Resolution (NTSC/PAL)		640 x 480,640 x 240,320 x 240/ 720 x 576, 720 x 288, 360 x 288	720 x 480, 720 x 240 , 360 x 240/ 720 x 576, 720 x 288, 360 x 288	720 x 480, 720 x 240 , 360 x 240/ 720 x 576, 720 x 288, 360 x 288	
Audio Input	Default	2CH	4CH	4CH	
	Option	N/A	16CH	16CH	
Video Out	VGA Out	1Port			
	TV Out	1Port (AUTO Switching screen)	2Port [1ch ~16ch], [17ch ~ 32ch]	4Port [1ch~16ch], [17ch~32ch], [33ch~48ch],[49ch~64ch]	
Split Mode Screen		[1, 4, 9]	[1, 4, 7, 9, 10, 13, 16]x 2	[1, 4, 7, 9, 10, 13, 16]x 4	
PAN TILT/ZOOM Control		RS485 / 422			
Storage (HDD)		80GB & Expandable up to 8HDD			
Network		PSTN, ISDN, TCP/IP, ADSL, LAN Supports			
Sensor / Control		8/4	16/16	16/16	
Backup		CD-RW (DVD-RAM/RW),USB back up, Network Back up			
Dimension (W x D x H)		440m x 480m x 177m	440m x 480m x 177m	440m x 540m x 221.4m	
Weight (Kg)		20	20	30	

Specifications

Comparison Table (View Pro with each device)

*This table explains that what kinds of function are integrated with View Pro software. So it might be different each device's functions.

Function	WebGATE	FlexWATCH	Win4Net
[Monitoring]			
Division View	0	0	0
Sequential View	0	0	0
Event Recording	0	0	0
Event Capture Image	0	0	
Pre Alarm Recording	0	\bigtriangleup (Device Setting)	
Motion Detection	0		
Event Map	0	0	0
PTZ Control	0	0	
Full duplex Audio Communication		0	
[Reocrd Player]			
Play	0	0	0
Reverse Play	0	0	
Speed control	0	0	
AVI Export	0	0	
Image Export	0	0	
[Integrated Monitoring]			
Camera Icon	0	0	0
Real time Monitoring	0	0	0
Recorded Video File Play	0	0	0