USER'S GUIDE Ver.554



English

Operating Instructions & User's Guide



RUGGED VISION CMS

C/O/N/T/E/N/T/S

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Chapter Remote Management Software

- Introduction

- - Overview

The RUGGED VISION CMS is designed to manage the DVR through the network at a distance. The RUGGED VISION CMS supports the remote management for the DVR of the following models.

- Premier 240 / 480 / Plus and Workhorse 410 / 810 & 1610
- •You can use the following functions using the remote management software.
- Remote real-time image monitoring
- Remote search and playback of recorded images
- Search and playback of images stored in the user computer
- System setting for the remote DVR
- Calculation of time available to record depending on the hard disk space
- System upgrade
- Other functions

- - Feature

- With one computer you can connect to up to 256 remote DVRs
- •Up to 8 users can connect to one DVR at the same time
- With 16 channel connections, image data transmission at up to 120 fps
- Monitoring using Drag & Drop by channel
- Backup of recorded images using the download portion of the software
- Search and playback of backed up local files
- Modifies, edits, saves and applies settings such as record/schedule/NTP/network of the DVR, etc.
- •User-friendly Graphic User Interface(GUI)

Sys	tem recomn	
		Premier 480
		CPU : Intel Pentium-III 800 MHz
		RAM : 256 MB (SDRAM) or more
	Hardware	Video : - NVIDIA FX chipset based, 32 MB VRAM
Min.	панижане	- ATI Radeon 7000 / 9000 Series, 32 MB
Spec.		- With 32MB or higher video memory,
spee.		Other products support the YUV and overlay
		- Direct X 9.0 or higher
	Software	- Windows Service Pack
		- Internet Explorer 6.0 or higher
		CPU : Intel Pentium-IV 3.0 GHz
		RAM : 512 MB(SDRAM, DDR) or more
		Video : - NVIDIA FX chipset based, 64 MB VRAM
	Hardware	- ATI Radeon 9000 Series (AGP)
Rec.		- ATI Radeon X300 Series (PCI Express)
Spec.		- Matrox Dual Head, 32/64 MB
spee.		- With 64MB or higher video memory,
		Other products support the YUV and overlay
	Software	- Direct X 9.0 or higher
		- Window Service Pack
		- Internet Explorer 6.0 or higher
		Premier 240
		CPU : Intel Pentium-III 800 MHz
		RAM: 128 MB (SDRAM) or more
	Hardware	Video : - NVIDIA FX chipset based, 32 MB VRAM
Min. spec.	Hardware	- ATI Radeon 7000 / 9000 Series, 32 MB
		- With 32MB or higher video memory,
		Other products support the YUV and overlay
		- Direct X 9.0 or higher
	Software	- Window Service Pack
		- Internet Explorer 6.0 or higher

- - System recommendation

Rec. Spec.	Hardware	CPU : Intel Pentium-IV 1.5 GHz RAM : 256 MB (DDR) or more Video : - NVIDIA FX chipset based, 64 MB VRAM - ATI Radeon 9000 Series (AGP) - ATI Radeon X300 Series (PCI Express) - Matrox Dual Head, 32/64 MB - With 64MB or higher video memory, Other products support the YUV and overlay
	Software	 Direct X 9.0 or higher Window Service Pack Internet Explorer 6.0 or higher

- Installing Software

Insert the remote management software CD provided with the product into the CD drive. Click the Setup.exe file.

If the installation language selection window is displayed, select an installation language and click the [Ok].

If the installation wizard is displayed, continue to install it by following the screen guide.



Choose S	etup Language 🛛 🔀
2	Select the language for this installation from the choices below.
	English
	OK Cancel

nstallShi	eld Wizard				
٢	Rugged Vision-C which will guide y wait.				
					Cancel
nstallShield	Wizard				×
		Vision-CM	to the InstallShie IS Shield® Wizard will in nputer. To continue,	stall Rugged ^v	
			< <u>B</u> ack	<u>Next ></u>	Cancel
	Wizard estination Location Ider where Setup will ins	tall files.			
Setup wi	ll install Rugged Vision-C	MS in the foll	owing folder.		
To instal another I	to this folder, click Next older.	. To install to	a different folder, clic	k Browse and	d select
Destin	ation Folder				
C:\Pro	gram Files\Rugged Visio	n-CMS			Browse
nstallShield -					

InstallShield Wizard	×
Select Components Choose the components Setup will install.	
Select the components you want to install, and clear the or install.	Components you do not want to Description Rugged Vision-CMS is a program that allows remote supervision of multiple DVRs, and also allows realtime monitoring, search and play of recorded data, playback of filles, and change of DVR setup values.
Space Required on C: 42980 K Space Available on C: 26590044 K InstallShield	
< <u>B</u> ac	k <u>N</u> ext > Cancel

RUGGED VISION CMS

This remote management program allows the user to utilize real time monitoring, search, playback, altering DVR settings and system software upgrade by accessing several DVRs using the network.

TransCoder

This program transforms the MPEG-4 format download and recorded files to MPEG-1 format files, allowing the user to see them using Windows Media Player.

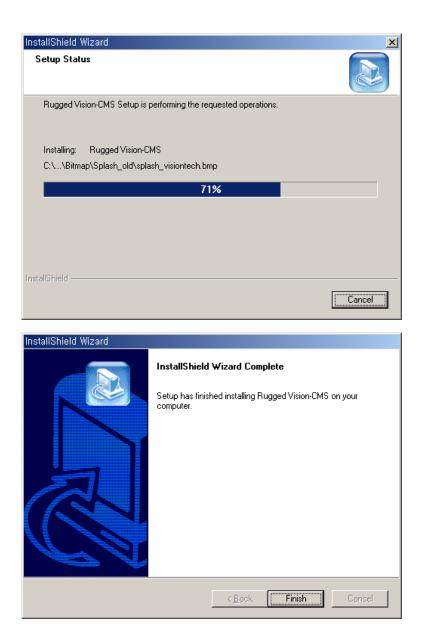
FlashDown

This update program is used to update the DVR by utilizing the RS232C Cable directly or through the network.

Calculator

The calculator program estimates the record duration depending on the HDD space and record settings.

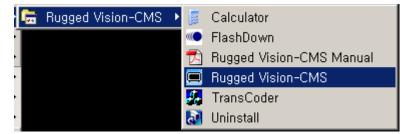
InstallShield Wizard	×
Select Program Folder Please select a program folder.	
Setup will add program icons to the Program Folder name, or select one from the existing folders list. Cl	
Program Folders:	
Rugged Vision-CMS	
Existing Folders:	
Microsoft Developer Network Microsoft DirectX 9.0 SDK Microsoft Office Microsoft Platform SDK February 2003 Microsoft Visual Studio 6.0 Nero Nexon Picasa2 Realtek Sound Manager	A V
InstallShield	
	< <u>B</u> ack <u>N</u> ext > Cancel



- Starting the remote management program

- - Starting

Click the Start > All Programs > RUGGED > RUGGED VISION CMS> RUGGED VISION CMS.



When the program is run, the following startup screen is displayed.

		? & _ X
		2006.05.19 FRI PM 05:11:26

Graphic User Interface(GUI)	
	2808
	2006.05.19 FRI PM 05:11:26

■ Function	■ Function mode selection tabs		
	Remote real-time monitoring		
	Remote search and playback of recorded images		
<u></u> R	Search and playback of images stored in the remote computer		
<u>س</u>	System setting for the remote DVR		

■ Wi	Window control and program exit buttons		
0	Version information		
۲	Window minimization		
3	Window maximization		
\otimes	Program exit		

■ Function	n buttons
	Log in and connection
(KIRDA)	Disconnection
400 A	Multi-disconnections
	• Captures images, downloads recorded images and specifies the path that DVR setup
	file is saved to.
()	Sets the PSTN modem and specifies scripts
	• Specifies the OSD font, color and size, and sets the information display
	• Sets the border line size, color and On/Off
	Sets the DVR Alarm-Out function
	Address Book
- Tôt	Captures the display screen
B	Prints the captured images
) C	Controls the display screen color

If you click the center circle of the circular button, it switches to Display / Playback / PTZ mode as in the following figure.

Display Mode Button



1, 4, 6, 8, 9, 10, 13 and 16 segmentation modes To see full screen view, double-click any position of the channel screen of each segmentation mode.

Playback Control Button



These buttons are used for the playback.
Forward Play / Reverse Play
Forward Single Frame Play / Reverse Single Frame Play
Fast Forward / Fast Rewind
The speed control for the normal play ranges from 1/16X to 16X in 1-ch mode. (Units 1/16X, 1/8X, 1/4X, 1/2X, 1X, 2X, 4X, 8X, 16X)
The speed control for the fast play ranges from 30X to 300X in 1-ch mode. (Units 30X, 60X, 90X, 120X...270X, 300X)

• Both real-time record search and local file use

PTZ Control Button



This function button provides PAN / TILT / Zoom / Focus Control. Use buttons for each control mode

PAN/TILT	Up/Down/Left/Right
ZOOM	Up/Down
FOCUS	Left/Right

PTZ Preset Control Button



Controls the PTZ camera using the preset values in the PTZ mode.

 Preset
 Saves values by controlling Pan/Tilt/Zoom/Focus of

the PTZ camera.
You can save up to 8 presets using these buttons.

DATE & network transmission information



Shows the current network traffic of the PC.

- Connecting/Disconnecting

- - Connecting

If you click the button on the right side of the screen, the following login window is displayed.

Login
_ Address Book Mode
Menual Made
Manual Mode 🔽
Manual Mode
DVR Address :
Port : 2000
User Name:
Password :
Connect Cancel

If you click the Address Book Mode, all connection names registered in the address book are listed.

Login
Address Book Mode
Manual Mode 🔹
Manual Mode
Rugged Demo
Manual Mode
DVR Address :
Port : 2000
User Name :
Password :
Connect Cancel

To enter the connection information manually, select the Manual Mode in the address list. Either enter the IP-Address, User Name and Password or select one from the address book and press the [Connect] button.

Login
Address Book Mode
useri
Manual Mode
DVR Address : 192, 168, 100, 42
Port : 2000
User Name : user1
Password : ******
Connect Cancel

Network default Account	Default Password
erl 111	1111
er2 222	22222
er3 333	33333
er4 444	4444

System default values of the user accounts for the network access are as follows;

- - Viewing the added DVR status

If the connection is successfully established, DVR IP or ID and channel list are added to the DVR connection tab and displayed on the right side of the program screen as in the right figure.

[Normal connection]

[Group connection]

To monitor all channels, drag the IP/ID of the added DVR in the DVR connection tab and drop it to the monitoring window on the left side of the program screen.

To monitor a specific channel, drag the channel in the added DVR channel list and drop it to the monitoring window on the left side of the program screen where you want to view it.

■ IP Drag & Drop

■ Channel Drag & Drop

(user1) (us	(user1) (user1) (user1) (user1) (user1) (User1

- - Releasing single connection

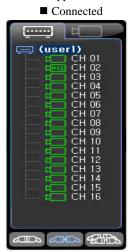
Releases the connection with the remote DVR accessed currently.

Select the accessed DVR IP/ID in the DVR tab on the right side of the program screen, and click the

button.

KINDA

The connection with the remote DVR for the selected IP/ID is released, and the selected IP/ID and channel list disappears.





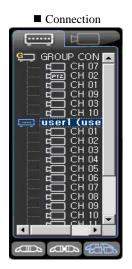
- - Releasing multiple connections



Releases the connection with all remote DVRs accessed currently.

Click the button in the DVR tab on the right side of the program screen.

Connection with all DVRs connected currently are released, and the selected IP and channel lists disappear.





- Real-time monitoring

- - Viewing real-time images

Drag the ID or IP of the DVR that was added remotely, and drop it to the monitoring window on the left side of the screen.



Each channel image of the dragged remote DVR is displayed.



Live channel move function – You can move a channel to another channels location by selecting the channel you want to move and dragging it to the square you want to see it in, and letting it go. The two channels will switch locations.



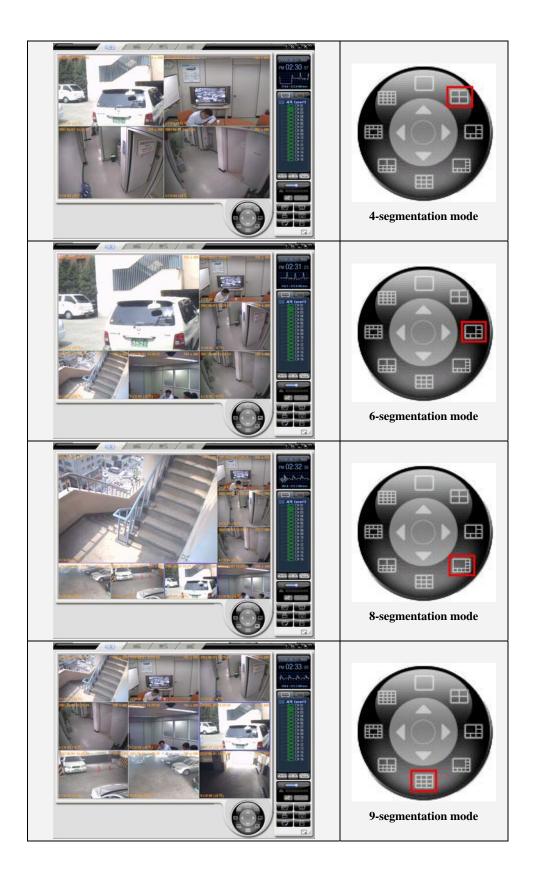
- - Viewing segmentation screen

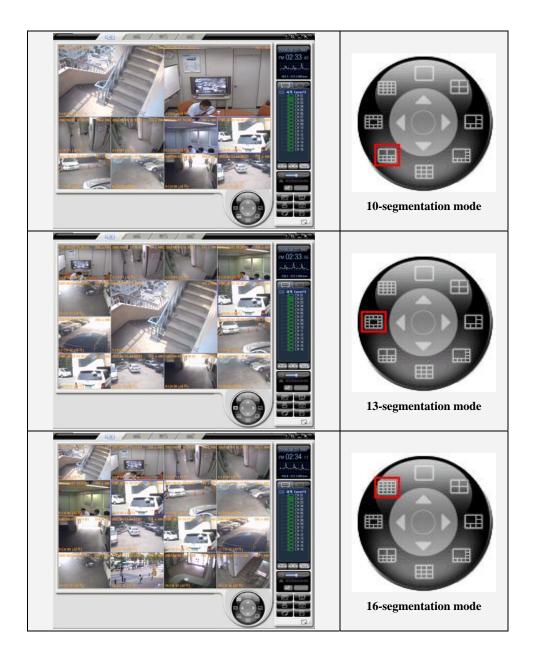


After images of channels are displayed on the monitoring window of the program screen, you can see the segmentation screen view by clicking each segmentation mode button. To see the full screen view for one channel in each division mode, double-click the channel screen. To return to the previous division screen view, doubleclick the full screen.

Examples of Selecting 1/4/6/8/9/10/13/16 segmentation mode







- - Controlling the PTZ

(1)Switching to the PTZ mode

Click the center part of the segmentation screen view button from the real-time screen, as shown in the following figure.



Then, PTZ control buttons appear, and the **PTZ** mark is indicated on the channels that each PTZ camera is set to.



Details of each buttons are as follows;

\$°	Controls the pan/tilt	Controls the focus
€Ð	Zoom In / Zoom Out	Switches form/to the preset mode

(2)Controlling the pan/tilt

Click the button, and control the pan/tilt using direction buttons.



(3)Zoom In / Zoom Out

Click the button, zoom in/out using Up/Down direction buttons.



(4)Controlling the focus

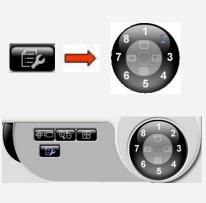
Click the button, control the focus using the Left/Right direction buttons.



(5)Controlling the focus

Click the **Lizz** button, control the preset screen by pushing the preset number.





- - Listening to the audio

If audio recording is turned on, you can listen to the audio set to each channel in real-time as in the following figure.



- - Viewing the product information

Move your cursor to the ID or IP of the DVR, on the right side of the screen, under the DVR tab, and right-click it.



Click on the {Product Information} from the popup window. Then, a window that shows the product information is displayed, as shown in the following figure.

Hardwara	
Haluwale	Version : 3,0
Video Mo	de : NTSC
Us Fri Sti	nauon tal Capacity : 250GB ted Size : 234GB se Space : 16GB art Date : 05/17/2007 id Date : 05/19/2007
Network S IP	Getting:LAN1 Address:211,117,45,27
Overwrite	: ON

 Software version: 00 (Build Number)
 Hardware version
 Video type
 HDD use information Total space
 Used space
 Free space
 Record start date
 Recording end date
 Network setup information
 HDD overwriting On/Off

- - Picture Setting

Move the cursor to ID or IP of the DVR, on the right side of the program screen, under the DVR tab, and right-click it.





Click on the {Picture Setting} from the popup window.

As shown in the following figure, a window that allows you to control the resolution/quality/frame rate is displayed.

Product Informatic	n Picture Setting Netwo	rk Account
Picture Resolu	tion	
704 × 480(5	76) Full	
Picture Quality		
J		3
🔽 Enable 1	Femporal Filter	
₽ Enable T		
		Low

Picture Resolution

Controls the resolution of a picture. The lower resolution, the network transmission speed is faster. (CIF > Field > Full)

Picture Quality

Controls the quality of a picture. The larger number, the quality is lower and the network transmission speed is faster due to higher compression rate.

Enable Temporal Filter

If there is a lot of static on images, it will decrease unnecessary static and increase the network transmission speed by removing them.

Picture Frame Rate

Controls the number of transmission fames of an image. Based on 30 frames. Approximately it is set as follows. High:30, Medium:15, Low:7.5

- - Network Account

(1)Starting

Move the cursor to the ID or IP of the DVR, on the right side of the program screen, under the DVR tab, and right-click it.



Click on the {Network Account} from the popup window.

As shown in the following figure, a window that shows the user information is displayed.

	Password	Authority
user1 user2 user4	******* ******* *******	0×000001FF 0×00000029 0×00000021

To use the user information setup, the user must have the DVR setup correctlyt. Otherwise, the following message is displayed.



(2)Adding the user information

Click the [Add] button form the user information setup window.

UserName	Password	Authority
user1 user2 user4	******** ******** ********	0x000001FF 0x00000029 0x00000021
	Aita Modify	Delete

Enter a user account and password you want to add, check the needed functions and click the [OK] button.

Then, the success message is displayed and the user account is added.

DVR Account				
User Name: user3				
Password: *******				
Confirm: ******		Rugged V	'ision-CMS	
DVR Authority			Successfully added the	e user accou
☑ Live	DVR Setup		확인	
🔽 Playback	PTZ Control			
File Download	🗖 Backup			
🗖 Remote Upgrade	🗖 Power On			
2				

(3)Modifying the user information

Click the [Modify] button from the user information setup window.

user1	Password	Authority 0x000001FF
user2 user4	******	UXU0000029 0x00000021

Enter the user information you want to modify, modify the information and click the [OK] button. Then, the success message is displayed and the user account is modified.

Edit Account		×	
_ DVR Account			
User Name: user2			
Password: *****	**		
Confirm: +++++	**	Rugge	d Vision-CMS
DVR Authority		-	Successfully changed the user account,
🔽 Live	DVR Setup		
🗖 Playback	PTZ Control		
🗖 File Download	🔽 Backup		
🗖 Remote Upgrade	e 🗖 Power On		

(4)Deleting the user information

Select a user you want to delete form the user information setup window, and click the [Delete] button.

UserName user1	Password	Authority 0x000001FF
user2 user4	******	0×00000021

Then, the success message is displayed and the user account is deleted.



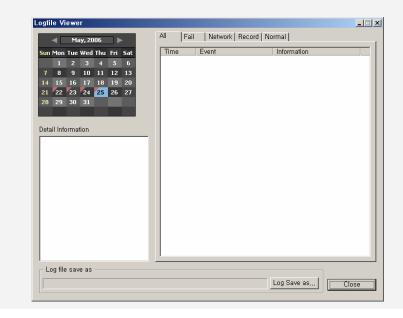
- - Viewing the log file

(1)Starting

Move the cursor to the ID or IP of the DVR, on the right side of the program screen, under the DVR tab and right-click it.



If you click the {Log file Viewer} from the popup window, the log information window is displayed.



Logfile Viewer	All Fail	Network Record No	ormal)	
Sun Mon Tue Wed Thu Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 Detail Information	$\begin{tabular}{ c c c c c }\hline \hline Time \\\hline 14:38:26 \\\hline 14:37:39 \\\hline 14:35:37 \\\hline 14:35:37 \\\hline 14:35:33 \\\hline 14:35:33 \\\hline 14:35:24 \\\hline 14:31:21 \\\hline 14:31:21 \\\hline 14:31:21 \\\hline 14:31:43 \\\hline 14:33:45 \\\hline 14:25:45 \\\hline 14:25:45 \\\hline 14:25:45 \\\hline 14:25:45 \\\hline 14:25:43 \\\hline $	Event REC Start Setup In Network Logout Network Login Network Login Network Login Network Login Network Login Network Login Network Login REC Start REC Start REC Start REC Start Network Login Network Login	Information [Local] admin [LAN1] 132, 168, 100, 48 [LAN1] 132, 168, 100, 40 [LAN1] 132, 168, 100, 48 [LAN1] 132, 168, 100, 48	
Log file save as			Log Save as,	ose

Form the calendar on the left side of the screen, click the date when you want to see logs.

(2)Viewing total logs

If you select the [All] tab from the log information on the right side of the screen, all log information is listed.

To see detailed log information, click an event for a specific time.

	Tue We	d Thu	Eri	Sat		Time	Event	Information	
1 7 8	2 3 9 10 16 17 23 24 30 31 mmation /16	4 11 18 25	5 12 19	6 13 20	_	Imme 14:38:26 14:37:39 14:38:38 14:35:37 14:35:37 14:35:24 14:31:42 14:31:42 14:31:42 14:31:42 14:31:42 14:31:42 14:31:42 14:30:47	Event REC Start Setup In Network Logout Network Logout Network Logout Network Logout Network Logout Network Logout Network Logout Network Logout REC Schedule Change Power On REC Start REC Schedule Change Power On Network Logout Network Logout	Information [Local] admin [LAN1] 192 168, 100, 48 [LAN1] 192 168, 100, 40 [LAN1] 192 168, 100, 41 [LAN1] 192 168, 100, 40 [LAN1	
						14:25:53	Network Live Network Login	[USER] 192,168,100,48 [LAN1] 192,168,100,48	-

(3)Viewing failure logs.

If you select the [Fail] tab from the log information on the right side of the screen, logs for failure events are listed.

To see detailed log information, click an event for a specific time.

	All	Fail Network Rec	cord Normal	
	Time		Information	
Detail Information	15:02: 15:02: 15:02:	30 Signal Loss 30 Signal Loss 30 Signal Loss	CH 8 CH 7	
2005/06/23 15:02:30 Signal Loss CH 8	15:02: 15:02: 13:05: 13:05: 13:05:	30 Signal Loss 20 Signal Loss 20 Signal Loss 20 Signal Loss	СН 6 СН 8 СН 8 СН 7 СН 7 СН 5	

(4)Viewing network logs

If you select the [Network] tab from the log information on the right side of the screen, logs for network events are listed.

To see detailed log information, click an event for a specific time.

	Time	Event	Information
	15:07:59	Network Live	[USER] 211, 117, 45, 12
etail Information	115805811	Network Login	(LANI) 20,007,45,12
etali information	15:05:59	Network Logout	[LAN1] 211, 117, 45, 12
005 (00 (00	15:05:01	Network Live	[USER] 211, 117, 45, 12
005/06/23	14:57:46	Network Login	[LAN1] 211, 117, 45, 12
5:06:11	14:20:32	Network Live	[USER] 211, 117, 45, 12
	14:20:30	Network Login	[LAN1] 211, 117, 45, 12
letwork Login	14:00:23	Network Logout	[LAN1] 211,117,45,53 [USER] 211,117,45,53
LAN1] 211,117,45,12	13:59:37	Network Live	
	13:58:16	Network Live	
	13:58:14 13:50:00	Network Login	[USER] 211,117,45,53 [LAN1] 211,117,45,53 [USER] 211,117,45,53
	13:49:58	Network Live Network Login	[U3ED] 211,117,45,12
	13:49:54	Network Logout	[LAN1] 211,117,45,12 [LAN1] 211,117,45,12 [USER] 211,117,45,12
	13:44:40	Network Live	[LCANT] 211,117,45,12 [LICER] 211,117,45,12
	13:44:36	Network Login	[LAN1] 211, 117, 45, 12
	13:44:22	Network Logout	ELANTI 211 117 45 12
	13:43:04	Network Live	[LAN1] 211,117,45,12 [USER] 211,117,45,12
	13:41:05	Network Live	[USER] 211, 117, 45, 12
	13:41:02	Network Login	[LAN1] 211,117,45,12
	13:40:50	Network Logout	[LAN1] 211 117 45 12
	13:38:04	Network Live	[LAN1] 211, 117, 45, 12 [USER] 211, 117, 45, 12
	13:38:01	Network Login	[LAN1] 211 117 45 12
	13:37:47	Network Logout	[LAN1] 211,117,45,12 [LAN1] 211,117,45,12 [USER] 211,117,45,12
	13:37:36	Network Live	[USEB] 211 117 45 12
	13:37:33	Network Login	[LAN1] 211, 117, 45, 12
	13:35:17	Network Logout	[LAN1] 211, 117, 45, 12
	13:35:12	Network Live	[LAN1] 211, 117, 45, 12 [USER] 211, 117, 45, 12
	13:35:08	Network Login	FLAN11 211 117 45 12

(5)Viewing recording logs

If you select the [Record] tab from the log information on the right side of the screen, logs for recording events are listed.

To see detailed log information, click an event for a specific time.

	Time	Event	Information	
	16:00:00	REC Schedule Change		
	16:00:00	REC Start		
etail Information	115HUDHUU	HEC Schedule Change		
005 100 100	15:00:00	REC Start		
005/06/23	14:00:00 14:00:00	REC Schedule Change REC Start		
5:00:00	13:29:22	REC Schedule Change		
	13:29:22	REC Start		
EC Schedule Change	13:29:20	REC Schedule Change		
	13:29:20	REC Start		
	13:18:15	REC Schedule Change		
	13:18:11	REC Schedule Change		
	13:18:11	REC Start		
	13:18:11	REC Schedule Change		
	13:17:11	REC Stop REC Stop		
	13:17:11	REC Stop		
	13:17:11 13:17:11	REC Stop REC Stop		
	13:17:08	REC Stop		
	13:11:54	REC Schedule Change		
	13:11:51	REC Schedule Change		
	13:11:51	REC Start		
	13:11:51	REC Schedule Change		
	13:00:00	REC Schedule Change		
	13:00:00	REC Start		
	12:00:00	REC Schedule Change		
	12:00:00	REC Start		
	11:00:00	REC Schedule Change REC Start		

(6)Viewing normal logs

If you select the [Normal] tab from the log information on the right side of the screen, logs for normal events are listed.

To see detailed log information, click an event for a specific time.

)etail Information	Time 13:29:22	Event Setup Out	Information [USER]	
2005/06/23 13:29:21 Setup In [USER]	13:29:20 13:29:20 13:29:10 13:18:08 13:17:07 13:11:47	Setup Out Setup In Setup In Power On Power Off Power On	USERJ USERJ [USER] [ADMIN] [ADMIN] [ADMIN]	

- - Application Setting



With the application setup, you can

• Capture images, download recorded images and specify the path that DVR setup file is saved to.

- Set the PSTN modem and specify scripts
- Specify the OSD font, color and size, and set the information display
- Set the border line size, color and On/Off
- Set the DVR Alarm-Out function
- Save application settings and load them.

If you click the **sector** button on the right side of the program screen, the following application

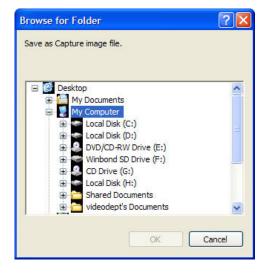
setting window is displayed.

App Setting	×	
Border Line Setting Alarm Out Setting Backup Setting Storage Setting Modem Setting OSD Setting		
Save as,,, Capture image file Save as,,, C:\Temp\Image\ Video record file Save as,,, C:\Temp\Video\ DVR Setup file Save as,,, C:\Temp\Setup\ 		
Cancel		

Storage Setting – sets the saving path by clicking the path assignment button at each saving path item.

Default Path

Image file	C:\Temp\Image
Download file	C:\Temp\Video
DVR setup file	C:\Temp\Setup



Modem Setting - selects a modem and modifies script files.

App Setting	×
Border Line Setting Alarm Out Setting Backup Setting Storage Setting OSD Setting OSD Setting	
Connect using Modem	
Configure,	
Run script	
C:₩Program Files₩Rugged Vision-CMS₩pppmenu,	
<u>E</u> dit	
	_
Cancel	

OSD Setting - sets OSD use On/Off and specifies OSD text color.

- Select whether you will use the OSD by clicking the OSD Enable check box from the application setting window.
- If you click the [Color] button from the application setting window, the color assignment window is displayed as in the right figure.
- •Specify an OSD text color that indicates the channel name and date information for each channel and click the [OK] button.

App Setting	×
Border Line Setting Alarm Out Setting Backup Setting Storage Setting Modem Setting OSD Setting	
OSD Display	
Font : Arial 💌	
Height : 10 💌 🗹 Bold	
Color : Color	
Channel / Cam Title Vyy/mm/dd hh:mm:ss Resolution	
OK Cancel	

-To create a color you want directly, click the [Create custom color] button.

- If the Create color window is displayed as in the following figure, create a color using the cursor and click the [Add to custom color] button.

Color	?
Basic colors:	
	Hue: 160 Red: 0
Define Custom Colors >>	Sat: 0 Green: 0 Color/Solid Lum: 0 Blue: 0
OK Cancel	Add to Custom Colors



< All OSDs are changed to the black color. >

Border Line Setting – selects an option for the frame boundary between image channels.

The width is the thickness of the line, the method to set the color is the same as that of the color information of 1-5-9-4.

Ap	p Setting			x
	Storage Setting Border Line Setting	Modem Setting Alarm Out Setting	OSD Setting Backup Setting	
	🔽 🔽 Draw Border Line			
	Width : 4	•		
	Color :		Color	
		<u>ОК</u>	Cancel	

Alarm Out Setting Power Off – power off Hard disk fail – when hard disk is failed Sound Effect – supports the system beep sounds and wave files. Sound Duration – when an alarm occurs, selects the duration(seconds) of the warning sound.

App Setting	×
Storage Setting Modern Setting OSD Setting Border Line Setting Alarm Out Setting Backup Setting Alarm Out Power Off I DVR Operation fail	
Sound Effect	
 System Beep 	
Wave file C:₩Program Files₩Rugged Vision-C	
Sound Duration	
30 second	
OKCancel	

Backup Setting – Backup setup for emergency situations,

Load – applies the	App Setting
information saved in the existing file to the current	Storage Setting Modern Setting OSD Setting Border Line Setting Alarm Out Setting Backup Setting
RUGGED VISION CMS.	
Save – saves the current	Backup Data
information to a file.	App Setting (Save as, OSD, Modem, Boarder Line)
	🔽 Address Book (Ethernet, Domain, PSTN)
	Capture color adjust setting value
	Load Save
	Cancel

- - Address Book



When you access the remote DVR through the Ethernet or PSTN, this address book function allows the user to access it with the registered address and login information conveniently, instead of having to retype all of the log in information each time.

(1)Starting the address book

If you click the **button** on the right side of the screen, the following Address Book window is displayed.

i <mark>ress Book</mark> ithernet Domain	Name PSTN/ISDN Gro	up Registratio	n]	
Alias Name ও user1 ও user2 ও 사옥	Address 192, 168, 100, 42 192, 168, 100, 42 211, 117, 45, 27	Port 2000 2000 2000	User Name user1 user2 user1	Password
			Add Modif	iy Delete
				Close

Depending on the access type, select one of [Ethernet], [Domain Name], [PSTN/ISDN] and [Group Registration] tabs.

(2)Ethernet

A)Registering

Click the [Add] button from the Address Book window, as shown in the following figure.

ress Book				
Ethernet Domain	Name PSTN/ISDN Gro	up Registration	ן ו	
Alias Name	Address	Port	User Name	Password
🍓 user 1	192, 168, 100, 42	2000	user1	******
🧕 user2	192, 168, 100, 42	2000	user2	******
💐 사옥	211, 117, 45, 27	2000	user1	*******
1			Add Modi	fy Delete
				Close

Fill out all information on the Edit Ethernet Address Book window as in the following figure and click the [OK] button.

Edit Ethernet Address Book	<u> </u>
Alias Name: Demo001	
Ethernet Address	
IP Address: 192 , 168 , 100 , 41	
Port: 2000	
User Name: user1	
Password: +*****	
Confirm: +*****	
ОК Са	ncel

B)Modifying

Select the DVR access information you want to modify from the Address Book window, and click the [Modify] button.

Alias Name	Address	Port	User Name	Password
🍓 Demo001	192, 168, 100, 41	2000	user1	*****
🧕 user 1	192, 168, 100, 42	2000	user1	******
🗟 user2	192, 168, 100, 42	2000	user2	*******
🍓 사옥	211, 117, 45, 27	2000	user1	******
			Add Mod	ity Delete

Modify all information on the Edit Ethernet Address Book window as in the following figure and click the [OK] button.

Edit Ethernet Address Book	×
Alias Name: user2	
Ethernet Address	
IP Address: 192 , 168 , 100 , 42	
Port: 2000	
User Name: User2	
Password: ******	
Confirm: ******	
	_
OK Cancel	

C)Deleting

Select the DVR access information you want to delete from the Address Book window, and click the [Delete] button.

ress Book ithernet Domain	Name PSTN/ISDN Gro	up Registratio	on	<u>_</u>]
Alias Name	Address	Port	User Name	Password
Sperno001	192, 168, 100, 41	2000	user1	*******
🍓 user1	192, 168, 100, 42	2000	user1	*******
🔮 user2	192, 168, 100, 42	2000	user2	******
💐 사옥	211, 117, 45, 27	2000	user1	*******
			Add Modi	fy Delete
				Close

(3)Domain Name

A)Registering

Click the [Add] button from the Address Book window, as shown in the following figure.

Add	Address Book						
E	themet Domain Name	PSTN/ISDN Group Re	gistration				
	Alias Name	Address	Port	User Name	Pa		
	RuggedDemo2	jennifer.rugged.rifatron	2000	user1	xx:		
			Add	Modify I	Delete		
_							
					Close		

Fill out all information on the Edit Ethernet Address Book window as in the following figure and click the [OK] button.

Edit DomainName Ac	ldress Book	
😪 Alias Name:	RuggedDemo2	
DomainName Addr	ess	
Domain Name:	jennifer.rugged.rifatron.net	
Port:	2000	
User Name:	user1	
Password:	******	
Confirm:	******	
	OK	Cancel

(4)Modifying

Select the DVR information you want to modify from the Address Book window, and click the [Modify] button.

Address	s Book				
Ether	rnet Domain Name	PSTN/ISDN Group Re	gistration		
Ali	ias Name	Address	Port	User Name	Pa
2	RuggedDemo2	jennifer.rugged.rifatron	2000	user1	***
•					<u> </u>
			Add	Modify [Delete
					Close

Modify all information on the Edit Ethernet Address Book window as in the following figure and click the [OK] button.

Edit DomainName Ac	_ 🗆 🗙	
😪 Alias Name:	RuggedDemo2	
DomainName Addr	BSS	
Domain Name:	jennifer.rugged.rifatron.net	
Port:	2000	
User Name:	user1	
Password:	*****	
Confirm:	*****	
	ОК	Cancel

B)Deleting

Select the DVR you want to delete from the Address Book window, and click the [Delete] button.

Address Book						
Ethernet Domain Name PSTN/ISDN Group Registration						
Alias Name	Address	Port	User Name	Pa:		
RuggedDemo2	jennifer.rugged.rifatron	2000	user1			
		Add	Modify [)elete		
			Γ	Close		

(5) PSTN / ISDN

A) Registering

Clock the [Add] button from the Address Book window, as shown in the following figure.

Address Book					
	ame PSTN/ISDN Gro	up Registration	1		
Alias Name	Address	Port	User Name	Password	[]
	1.0000	<u>, , , , , , , , , , , , , , , , , , , </u>			
			Add Mod		te
	Edit Telephone Ad	dress Book	_		
	- 🚺 🕹 🕹 🕹 🕹	e: MyOffice			
	_ Telephone Addre	ss			
	Country C	Code:			
	Area C	Code:			
	Telephone Nun	nber: 558 Port: 2000	8888		
	Disable Country	/ Code And A	rea Code		
	User Name: 🛛	iser11			

Password:

0K

Cancel

Confirm: *******

B) Modifying

Select the DVR you want to modify from the Address Book window, and click the [Modify] button.

ddress Book						_ 🗆 🗙
Ethernet Domain N	Name PSTN/ISDN Gr	oup Registratio	ן ו			
Alias Name	Address	Port	User Nan	ne	Password	
MyOffice	558-8888	2000	user11		*****	
			Add	Modify	Delet	e
						lose
	Edit Telephone Ac	ldress Book		_ 🗆	×	
	ła					
	🛛 🔬 🕹 Alias Nam	e: MyOffice				
	_ Telephone Addre	ess				
	Country (Code:				
	Area (Code:				
	Telephone Nu	mber: 558	8888			
		Port: 2000	-'			
					_	
	Disable Countr		rea Code			
	User Name:	user11				
	Password:	*****				
	Confirm:	*****				
					_	
			0K	Cancel		

C) Deleting

Select the DVR you want to delete from the Address Book window, and click the [Delete] button.

Add	ress Book					
E	Ethernet Domain Na	me PSTN/ISDN Gro	up Registratior	ו]		
	Alias Name	Address	Port	User Name	Password	
	MyOffice	82-2-558-8888	2000	user11	******	
	,			Add Modify	y Delete	
_						
					CI	ose

(6) Group Registration

A) Registering

To manage several DVRs with one RUGGED VISION CMS program, use the group access. The configuration of the group access screen is as follows.

Address Book	
Ethernet Domain Name PSTN/ISDN	Group Registration
Group Name	No Alias Name Ch∢ 1 2 3 3 4 5 6 7 7 8 9 10 10 11 12 13 14 15 15 • • Group Name : ● ●
Add Delete	All select Clear Apply
	Close

To add the group access, click the [Add] button on the left-lower side of the screen. Then, this window is displayed. To register DVR and channel, add a name you want, click the [OK] button and click the Alias Name.

Address Book		_ 🗆 X
Ethernet Domain Name PSTN/ISDN	Group Registration	
Group Name 123 456	No Alias Name 1 2 3 4 5 5 6	Channel
Add Group Name		
	OK Cancel	
Add Delete	Group Name : All select Clear	Apply
		Close

After you add a group name, select an alias name for the screen number and select the channel of the alias DVR.

Address Book Ethernet Domain Name PSTN/ISDN	Group R	egistration	
Group Name 123 456	No 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 Group	Alias Name user1 [Domain] dvr007 [Domain] user2 Name : 그룹 A 연결	Channel
Add Delete		All select Clear	Apply
			Close

After you finished setting the alias name and DVR channel for the screen number, press the Apply

Address Book	
Ethernet Domain Name PSTN/ISDN	Group Registration
Group Name	No Alias Name Channel
Group2 Group1	Dinning Boom 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Add Delete	All select Clear Apply
	Close

button. Once the group registration is successfully completed, the following massage box is displayed.

Rugged V	ision-CMS
į)	The group registration successfully became,

B) Modifying

If you select the DVR you want to modify from the Address Book window, the registration screen comes with the list as in the following figure. Modify the Alias Name and Channel, and click the Apply button.

Address Book		
Ethernet Domain Name PSTN/ISDN	Group Registration	
Group Name Group2 Group1	No Alias Name Channe	el
	Group Name : Group1	
Add Delete	All select Clear App	bly
		Close

Group2 Group1	. 2 3 4 5 6 7 8 9
	9 10 11 12 13 14 15 16
	Group Name : Group2

C) Deleting

Select the DVR you want to delete from the Address Book window, and click the [Delete] button.

Group Name Group2 Group1	No Alias Name 1 Dinning Room 2 Ground	Channel
	3 4 5 6 7 8 9 10 11 12 13 14 15 16	
	Group Name : Group2	
Add Deleti		Clear Apply

- Display Capture



This function is used to capture the current monitoring screen and save it as a picture image.

The captured image is saved to the path that is specified through the App Setting.

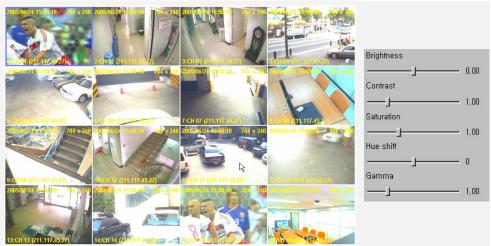
(1)Capturing the current screen

If you click the **user** button on the right side of the program screen, the picture view window for the current monitoring screen is displayed.



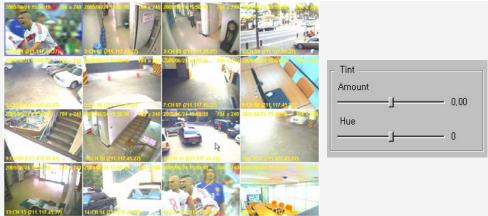
(2)Adjusting the brightness/contrast/saturation/tint/gamma

Drag the control bar on the right panel to adjust the brightness/contrast/saturation/tint/gamma.



(3)Adjusting the tint

Drag Amount and Hue control bars on the right panel to adjust the tint.



(4)Applying a filter

Adjust the filter application setting of the right panel to compensate the picture.



(5)Restoring the original picture

To restore the original picture, click the [Reset] button on the right panel.

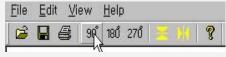


(6)Rotating

To rotate a picture by a certain degree, click the degree on the upper icon.



Rotation by 90 degrees





(7)Horizontal flipping

Click the icon in the upper menu, or select the [Edit] \rightarrow [Flip] \rightarrow {Horizontal} menu.



(8)Vertical flipping





(9)Saving

To save the picture in the default folder as the default file name, click the \blacksquare icon or select the

[File] \rightarrow {Save} menu.

To save it as a different file name, select the [File] \rightarrow {Save As} in the upper menu, enter a file name and save it as *filename*.bmp for the bitmap file or *filename*.jpg for the jpeg file.

Save As	Eile Edit View Help 🕞 🖳 🚭 90° 180° 270° 🔀 🙌 🦓
	<u>File E</u> dit <u>V</u> iew <u>H</u> elp
	Open Ctrl+O
	<u>S</u> ave Ctrl+S
	Sava <u>A</u> s
	Print Ctrl+P Print Setup
File name: 200501241452 Save Save as type: BMP Files (*bmp) Cancel	1 C:\Temp\Image\200506241554,bmp 2 C:\Temp\Image\200506232243,bmp
	E <u>x</u> it

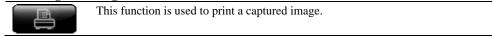
(10)Printing

Click the \blacksquare icon in the upper menu, or select the [File] \rightarrow {Print} menu.

If the Print window is displayed, select the printer you want to use and click the [OK] button.

	<u>File Edit View H</u> elp
Print 🛛 💽 🔀	🕞 🔚 🚑 90° 180° 270° 📒 🔢 🦓
Printer Name: HP LaserJet 4050 Series PCL 6 (29) Properties	[Print]
Status: Ready Type: HP LaserJet 4050 Series PCL 6	<u>File E</u> dit <u>V</u> iew <u>H</u> elp
Where: IP_211.117.45.29	Open Ctrl+O
Comment: Print to file	<u>S</u> ave Ctrl+S
Print range	Save <u>A</u> s
All Number of copies: 1	Print Ctrl+P
C Pages from: 0 to: 0	Print Setup
C Selection 11 22 33	1 C:₩Temp₩Image₩200506251115,bmp
	2 C:₩Temp₩Image₩200506241554,bmp
OK Cancel	3 C:₩Temp₩Image₩200506232243,bmp
	E <u>x</u> it

- Image Printing



If you click the **used** button on the right side of the program screen, the image files created from

capturing the monitoring screen are listed.

Name	Date	Time	Size	
200506232241, bmp 200506232243, bmp	2005-06-23 2005-06-23	22:41 22:43	1376 KB 1376 KB	
200506241554, bmp 200506251115, bmp	2005-06-24 2005-06-25	15:54 11:15	1376 KB 1376 KB	
				ald, concentration
				\$\$ \$\\$ \$
		Previev	v Close	

If you click an image file in the file list and click the [Preview] button, the preview window is displayed.

With the preview window, enter a description for the image into the MEMO text box and click the [Print] button.

Time : 15		
Se		N BRAN
4 (2011) 147 		an a
50 X 10 C 11 10		211-117-26-241 4-464628 701 x 240 20020624 - 106471
9-04-09-04-04-07 2009-06-04-06-06-06-06-06-06-06-06-06-06-06-06-06-	527 19/01 49 (211 117 15:27) 19/01 11 7 11 12 12 12 12 12 12 12 12 12 12 12 12	971-117-15-25 1. Sanak an ann ann an Asar,
12001101/211.11		
мемо		
8 June (006 _ BANPO-DONG, SEOUL, KORE	EA, RIFA B/D

If the Print window is disn	laved select the printer you	u want to use and click the	OK button
II the I line window is usp.	layed, select the printer you	a want to use and energing	[OII] button.

Printer	
Name: HP LaserJet 4050 Series PCL	6 (29) Properties
Status: Ready	
Type: HP LaserJet 4050 Series PCL 6	3
Where: IP_211.117.45.29	
Comment:	Frint to file
Print range	Copies
All	Number of copies: 1 🛨
C Pages from: 0 to: 0	
	1 2 33
C Selection	
	OK Cancel

This function is used to record images in real time.

If you click the **E** button on the right side of the program screen, the **E** mark is indicated on

the screen and the recording is started.

H

The recorded file is saved in the folder described in section 1-5-9.

For example, the file saved as 17, May 15, 2006 is saved in the 2006\05\15\170000_Live folder.

To stop the recording, press the **button**. Then, the **BEC** mark disappears from the screen and the recoding is stopped.





Adjust Color

This function is used to adjust the brightness, gamma, contrast, saturation, tint and post processing filter for the channel image.

If you click the with the button on the right side of the screen, the Adjust Color & Post Processing

indow is displayed.			
ljust Color & Post Processii	ig	_ 🗆 🗵	
- Camera Select			
CH 01 🔽 CH 02 🔽 C	H 03 🔽 CH 04		
CH 05 🔽 CH 06 🔽 C	H 07 🔽 CH 08		
CH 09 CH 10 CH 10 C	H 11 🔽 CH 12		
CH 13 V CH 14 V C	H 15 🔽 CH 16	ALL CH	
Adjust Color			
Brightness			10
		- 0	rt≫⊂
Gamma			aht.
		_ 1,00	\$\$ \$\$
Contrast			
		_ 0	
Saturation			
			Color adjust
Tint			
·		- 0	
-			
Post Processing ———			
🗖 Deblock Y	🗖 Dering	Y	
🗖 Deblock UV	🗖 Dering	UV	
l.	Keset	Close	

From the Adjust Color & Post Processing window, select a channel by clicking the Channel checkbox and adjust the brightness, gamma, contrast, saturation and tint by dragging their adjustment bars.

While adjusting the brightness, gamma, contrast, saturation and tint, you can see the monitoring screen that changes in real time.

When you finished adjusting them, click the [Close] button.

- Viewing the full screen mode

Switches the real-time monitoring screen to the full screen mode.

To switch to the full screen mode, click the button on the lower right side of the program



To return to the default mode, click the $\boxed{}$ button on the lower right side of the program screen.



- Search and Playback



This function is used to search and play an image recorded in real time in the DVR. Although the real time monitoring mode is switched to the search mode, the network connection is not disconnected.

- - Search

(1) Start - Click the **tab** on the top of the program screen.

Drag IP or ID of the DVR you want to search from the added DVR list on the right side of the screen, and drop it onto the monitoring window on the left side of the program screen.



A preview is displayed on the lower left side of the [Hour/Min unit Preview] page.

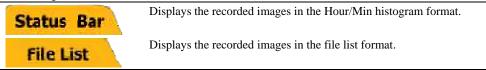
Status Bar File Lis 3une: 2006 3une: 2006 Sun Mun Tue Wed The Jri Sat 1 2 3 4 5 6 7 0 9 10 1 2 1 15 10 20 21 22 23 24 20 20 25 20 27 20 29 30 20 20	ABY Visiton Attice Attice <th></th>	
	Playback Download	

Sum Yes Ban File Lin A me, 2006 Sum Yes Wed the Fri Sat 4 5 6 7 0 9 10 11 12 12 14 15 16 17 11 12 12 12 22 23 24 25 26 27 28 29 30	ABY Video Audio All Motion Sensor Audio How 0 10 10 20 20 20 Unrote 0 10 20 0	2006.05 01 THU PM 03:18 3: 44 / 1722.1 181 we D 192.1 112.45 D 192.1 112.45 D 192.1 112.45 D 192.1 101.05 D 193.1 100.05 D 193
<u>Calaala y</u>	Playback Cancel	

Click the desired image from the lower left side of the screen, only the image corresponding to the channel is enlarged.



(2)Selecting a search method



Select a search method by clicking the [Status Bar] or [File List] button on the Search window.

Status Bar



- May, 2007	Start Time	EndTime	Event	Size(M)	0.7 / 1222.1 KB-sex
m Mon Toe Wed Thu Fri Sat	01:00:00	01.59.59	CM	4058	
	02 00 00	02.59.59	C 🖬	3900	CONTRACTOR OF STREET,
1 2 3 4 5	03:00:00	03:59:59	C M	3836	Contractory of Contra
7 8 9 10 11 12	04:00:00	04:59:59	C M	3346	I 사육 (userl)
3 14 15 16 17 18 19	05.00.00	05:53:59 06:59:59	c M	2954	192, 168, 100, 4!
0 21 22 23 24 25 26	05:00:00	06 59 59	C M	1603	EEE CH OI
	08-00-00	00.59.59	č i	1402	CH 02
7 26 29 30 31	09.00.00	09.59.59	C 14	1300	000
CONTRACTOR CONTRACTOR OF THE	10 00 00	10 59 59	C M	1270	
	11:00:00	11:59:59	C M	1341	
	12:00:00	12:59:59 13:59:59	C M	1444	
	14:00:00	13:59:59	č.	1530	CH 08
	15:00:00	15:59:59	čŭ	1572	E CH 09
	16:00:00	16.58.59	Č H	1575	- CH 10
	17:00:00	17:59:59	сы	1557	2 CH 11
	18 00 00	18 59 59	CM	1938	CH 12
	19:00:00 20:00:00	19:59:59	c M	2767	CH 13
	21:00:00	21:58:59	C M	3695 9817	- CH 14
	22 00 00	22.59.59	č M	3460	- CH 15
	23 00 00	23 59 59	C M	3579	CH 16
				ayback Download	

File List

If the time of the DVR system is changed, the existing file is indicated with the sky blue color.

Status Bar

Status Bar File Lin Son Muo Lue Wed Hus Fri Sal 1 2 3 4 5 4 1 4 15 10 17 10 19 50 14 15 7 10 19 50 27 21 29 30 31	Alt Materia Alt Materia Aution Mover 0 12 C1 C2 Mover 0 0 0 C1 C2 Mover 0 0 0 C1 C2 C2 Mover 0<	
	Playback Download	
રોગ્રસીગ્રસીગ્રસીગ્ર		

(3)Selecting date and time

From the Calendar window of the Search window, click the date you want to search.

	< December, 2004 🕨						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31	2	
	Multi - Channel						

Select a recording type by clicking the recording type tab on the Search window.



Specify the time when you want to search by dragging the yellow time assignment line on the Search window.

A	ŧ۷ \	Video	Audi	io			All	Mot	tion	Sensor	Audio
Ηοι	ır	0			9	1	2				24
Min	ute	0				3	0				60
Day	СН				1						
31	1										
31	2										
31	3										
31	4										
31	5										
31	6										
31	7										
31	8										
31	9										
31	10										
31	11										
31	12										
31	13										
31	14										
31	15										
31	16										

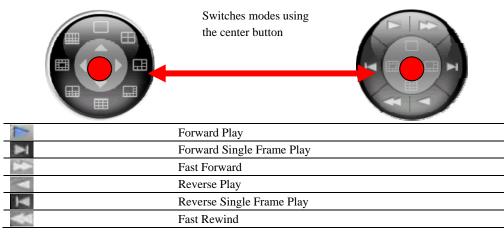
- - Playback

(1) If you specify the time and click the **Playback** button, the following Normal Playback screen is displayed.



Control the playback speed using the Playback Control button.

. Press the Play **button**. The buttons related to the playback control are as follows;



Forward Play	Starting from x-1, adjustable up to $x-1/16 \sim x-1/2$, $x-1 \sim x-16$.				
Reverse Play					
Fast Forward	Starting from x-30, adjustable up to x30 ~ x300.				
Fast Rewind					
Using the left $1\times$	E button of the Playback Control button, you can increase/decrease				
the playback speed.					

To stop the playback. Click the

Close button on the lower side of the Playback screen.

When the playback is stopped, it returns to the previous search screen.

To continue to play images for another time zone, repeat the above steps.

Restrictions

1ch mode (Full screen)

Normal mode (4ch~16ch segmentation screen)





	Possible	6 6	Impossible	
1	Possible	1	Possible	
¥	Possible	¥	Possible	
23	Possible	23	Impossible	
V	Possible	V	Impossible	
T	Possible	T	Impossible	
*	Possible	*	Impossible	
The audio fi	le playback works only wi	th 1CH mode.		
You can also use f	unctions such as Capture a	and Print in the playback	mode.	

- 16CH mode: only 🔽 and 🞴 buttons are enabled.



1CH mode: All buttons associated with the controller are enabled.



(2)Download(Recording File Download)

Specify the time when you want to download by dragging the time assignment line on the search

006.05.20 SAT AM 11:39:07 File List Status Bar Video Audio Motion Sensor Audio 12 0 24 May, 2006 0.4 / 672.0 KB 0 Minute 30 60 Mon Tue Wed Thu Fri Sat CH 1 2 3 4 5 6 8 9 10 11 12 13 user1 (us 그룹이름1 14 15 16 17 18 19 <mark>20</mark> 21 22 23 24 25 26 27 Ð 드날 use 그룹접속 29 30 31 5 6 7 8 9 10 11 12 13 14 15 16 5 4 Playback Download S.:

window in the search mode, and click the **Download** button.

Specify an hour, set a start minute/end minute and select a channel that you want to download.



If you press the **Download** button after the selection is finished, the Filedownload Information window is displayed and the download is started as in the following figure.

Filedownload l	nformation
Start Time	
2006/05/19	20:42:00
End Time	
2006/05/19	20:43:00
File Size	8 M
Free Size	18514 M
File directory r	name
C:₩Temp₩\	/ideo₩₩2006₩05,₩200000_1₩
Filedownload p	process
	7 M / 8 M
	83%
	Cancel

The downloaded file is saved to the subfolder named to current year/month/day date of the folder that the application assigned.

Example - if the file is created at 20, 5/19/2006, then it is saved in C:\Temp\Video\2006\05\19\200000.

The file download is finished, Click the [Complete] button.



- Local Player



This function is used to play downloaded files or backup files in the user computer.

- - Starting

Click the click the program screen.

The startup screen that includes the folder search window under the screen is displayed.



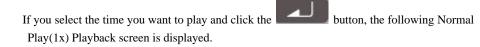
- - Local File Search and Playback

In the local playback mode, search the folder that includes downloaded video files or backup files from the folder list on the lower side of the program screen.



If you select the subfolder containing year/month/day information from the upper folder that includes video files, the number-type folder list, available for the playback, is displayed on the Playback list window on the right side of the screen.







- Remote setup



Provides the Main Setup and App. Setup functions for the remote DVR.

- - Starting



Click the **use of the program screen**.

Drag IP or ID of the DVR you want to setup from the added DVR list on the right side of the screen, and drop it into the monitoring window on the left side of the program screen.



- - DVR Main/App Setup

(1) Main/App Setup

The configuration of the remote DVRs setup screen is the same as that of the DVRs OSD setup menu screen.

Change the system settings using the mouse on the DVR setup screen.

For more information on the system setup, please refer to Chapter 5. System Setup in the DVRs regular manual.

	cording			
Qual.	Mode	Rate	Audio	Moti.
₩.Н	Cont.	15	Off	Iff
¥.Н	Cont.	15	1	Iff
₩.Н	Cont.	15	2	Iff
₩.Н	Cont.	15	3	Iff
₩.Н	Cont.	15	4	Iff
₩.Н	Cont.	15	5	Iff
₩.Н	Cont.	15	6	Iff
₩.Н	Cont.	15	8	Iff
¥.H	Cont.	15	10	Iff
₩.Н	Cont.	15	15	Iff
₩.Н	Cont.	15	30	Iff

If you right-click the area of settings you want to change, values in the settable range are displayed. Select a value to change the setting.

If you need to enter directly, for example, channel name, double click it to change the setting.

- 	Menu CH PTZ	Title	Res.			Menu CH PTZ	Title	
ling	1	CH 01	CIF		Recording	1	CH 01	I
tup	2	CH 02	CIF		Setup	2	CH 02	
	3	CH 03	CIF		Curtan	3	CH 03	
stem	4	CH 04	CIF		System	4	CH 04	
	5	CH 05	CIF	·> I	C1	5	Lobby	
orage	6	CH 06	CIF		Storage	6	CH 06	
NTP	7	CH 07	CIF		NTD	7	CH 07	
MIP	8	CH 08	CIF		NTP	8	CH 08	
lvanced	9	CH 09	CIF			9	CH 09	
Hanceu	10	CH 10	CIF	i	Advanced	10	CH 10	
PT7	11	CH 11	CIF		DT7	11	CH 11	

(2) LOAD

If the **Load** button is disabled when the DVR system is connected, load settings through drag & drop.

(3) SAVE

If you modify the settings on the screen using the mouse and click the **Save** button, the current settings are saved as a file. (extension is *.bin)

Save As		? 🛛
Save in: CDWrite	Temp	▼ ← € ☆ *
File name:	200501241452	Save
Save as type:	BMP Files (*.bmp)	Cancel

Click the Save button to save them as a file.

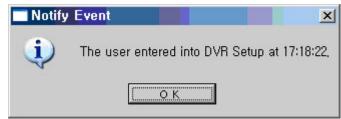
(4) SEND

If there are DVRs connected remotely, current connected DVRs are listed in the [Save Setup DVR].

Load Setup DVR ∠ Load Save Setup File C:₩Temp₩user_setup,bin Save	
D V R FILE Save Setup DVR 192, 168, 100, 42 (use Send ALL RESET	

Select the DVR you want to change the settings for, and click the **SEND** button.

The changed DVR settings are applied to the remote DVR, the following message window appears and the network connection is released



(5) ALL RESET

Initializes the settings to the factory default values.

Click the **ALL RESET** on the screen.

	Menu		100	_	_		cording	-		1	_	_	Lvent	Da	ta 1	Da	ta 2		ata 3		ita 4	2006.09.211
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DVR system sounds a beep and all settings are initialized. You can see that all settings have been initialized by accessing the DVR.

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- - DVR setup edit

(1) Load

Click the FILE in the DVR remote setup mode.

	2828
Load Setup File CMT TempWSetup Wuser.setup Save Setup File CMT TempWSetup Wuser.setup DVR FILE Save Setup DVN 105-user1 (user1) State FILE	2006.0921 THU PM 01:32:20 IL 17714 Milwer C US user for C US user for C US
Load Setup File C:\Temp\user_setup,bin Load Save Setup File C:\Temp\user_setup,bin Save	
Save Setup DVR useri (useri) Send ALL RESET	

Load Setup File: shows the path of the latest file where settings are saved. If you have not saved them as a file before, it is indicated with the empty space.

Save Setup File: shows the path where current DVR setting values are located .Edited values will be saved.

Click the Load button.

Open				?>
Look On	🗀 Temp	•	+ 🗈 (* 📰 •
CDWrite DISK1 Image Setup Video	💌 user_setup, bin			
File name	: user_setup,bin			OPEN
Files of type	: Setup Files (*,bin)		•	CANCEL
	READ ONLY			

Click the Open button to see settings saved in the file.

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B) SAVE

Saves the changed settings.

C) SEND

Loads the file where the settings are saved, or sends the current settings to the accessed DVR if you click the **SEND** button after editing the settings of another DVR.

D) ALL RESET

Initializes settings to the factory default values.

If you push on the ? button in the upper right hand corner of the CMS Software you will get the version and copyright information.

	Rugg(Industrial	ed (Grade	CTV Digital
Rugged Visior Ver. 1, 2, 0, 0 Copyright (C) 2004 All righ	n-CMS Remote Acc (619)		

Chapter RUGGED VISION PDA (PDA Viewer)

- Overview

(1) This program is designed to allow the user to see images through a PDA.

- Installation

(1) In order to install the PDA Viewer, you must have the Microsoft Active Sync (Version 4.0 or higher) installed in your computer.

(2) After your computer and PDA are synchronized, run the RUGGED VISION CMS Setup.exe to install the RUGGED VISION PDA.

Mobile CMS				×
Pocket PC installation Mobile CMS will be ins		t PC now		
The Mobile CMS				
	[< <u>₿</u> ack	Next>	Cancel

(3) Click the [Next] button.

М	lobile CMS	×
	License Agreement	
	Please read the following license agreement carefully.	
	GNU GENERAL PUBLIC LICENSE Version 2, June 1991	
	Copyright (C) 1989. 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.	
I	Preamble	
	The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public	1
	C I accept the terms in the license agreement	
	I do not accept the terms in the license agreement	
	<u> </u>	

(4) Read through the End User License Agreement (EULA) carefully. If you select the item related to acceptance, the [Finish] button is enabled. To continue to install the program, click the [Finish] button.

Mob	ile CMS	×
Lie	cense Agreement	
	Please read the following license agreement carefully.	
		_
	GNU GENERAL PUBLIC LICENSE Version 2, June 1991]
Ev	pyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA eryone is permitted to copy and distribute verbatim copies this license document, but changing it is not allowed.	
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(5) If you click the Yes button on the next screen, the system checks the connection with the PDA and starts the installation from the PDA.

	Select a program's check box if you want to install it on your mobile device, or clear the check box if you want to remove the
	program from your device.
	Note: If a program that you installed is not listed, the program was not designed to be used on your mobile device.
	Retrieving Device Data
lling (Applications
Insta	all "PDA Viewer" using the default application install directory?
	OK NO CANCEL
_	
	Space required for selected programs: Space available on device:
	Space required for selected programs:
	Space required for selected programs: Space available on device: I Install program into the default installation folder
	Space required for selected programs: Space available on device:
	Space required for selected programs: Space available on device: I Install program into the default installation folder
	Space required for selected programs: Space available on device: I I Install program into the default installation folder Remove from both locations To remove the selected program from both

(6) This is the screen during the installation at the user's computer side. You can complete the additional installation tasks from the PDA.

Installing Applications	
Installing	
Cancel	
Application Downloading Complete	
Please check your mobile device screen to see if additional steps are necess	ary to complete this installation,

ŌК

(7) This is the screen when the PDA installation is in process.

×

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H	O Thursday, 2	lune 01, 2006
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	🙋 Installing	
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	Copying files	
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	6	

- Running and using

(1) If you click the **I** button on the upper left side of the screen, the access dialog box is displayed.

	Pocket PC	•	2/2 Pocket PC ♀ #* 4€ 5:16
43-	(RD) 💋 — 🗗		DVR Connect
			Port
			User ID
			Pass
			Connect Cancel
12345678	9 10 11 12 13 14 15	516	
	→ 1 2 3		
	5 6		
ZOOH FOCUS			
Live Search	E		
B	E 22		
	-		

(2) Fill out IP Address / Port / User ID / Password items and click the Connect button.

	J Pocket PC
	Ŷ # 4€ 5:16 🛛 🕸
[DVR	Connect
IP Ac	idr 211.117.45.84 🔻 Del
Port	2000
User	ID user1
Pass	
F 435	
	Connect Cancel
	Excel a
	⊠
B	
B	
B	

(3) While trying to connect, the 'IP address' and 'Connecting ...' are displayed.



(4) When the connection is failed, the following screen is displayed. Then, please check the connection information again.

(jj Po	oker <i>PC</i> ♀	5:18 🚯
	-43-	•	900 💋	
	L		ng failure.	L
		56789	10 11 12 1	3 14 15 16
			+_+	5678
	0, 0,			
	20011	FOCUS	PANTILT	PRESET
	20011	Focus Search	PANTILT	
	20011		PANTILT	PRESET
	20011			PRESET
	20011			PRESET

(5) When the connection is successfully established, the following screen is displayed and the number of connected channels are activated.



(6) For the cameras that have PTZ control, you can control them through the following buttons.



(7) The [PRESET] is used to save the values by controlling Pan/Tilt/Zoom/Focus of the PTZ camera. You can save up to 8 control presets..

(8) If you click the screen of the corresponding channel, the full screen mode comes up.



(9) If you click the 4 on the right side of the screen, the audio for the channel where audio is set, is played



(10) To release the connection, click the \rightarrow button.

		±j Po	201102 12201 13	
-	*	e	₽ # + RDD ≠ /	5:19
				22
	21	1.117.45.84		
L 1.2				_
	34			ed 13 14 15 16 1 2 3 4
Ø,	345	6789	10 11 12	1 2 3 4 5 6 7 8
Ø,	345			13 14 15 16 1 2 3 4 5 6 7 8 PRESET
Q, z	345	5 6 7 8 9	10 11 12	1 2 3 4 5 6 7 8
Q, z	345	5 6 7 8 9	10 11 12	13 14 15 16 1 2 3 4 5 6 7 8 PRESET
Q, z	345	5 6 7 8 9	10 11 12	13 14 15 16 1 2 3 4 5 6 7 8 PRESET

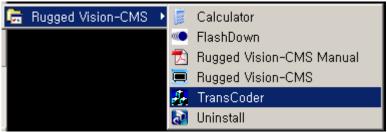
Chapter Transcoder

- Overview

(1) This program transforms the MPEG-4 format download and recorded files to MPEG-1 format files, allowing the user to see them using Windows Media Player.

- Running and using

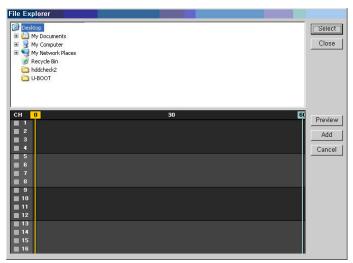
(1) Click the Start > All Programs > Rugged CCTV > RUGGED VISION CMS> Trans Coder menu.



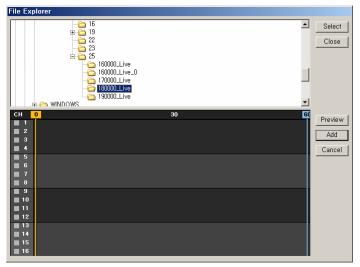
(2) Then, the following screen is displayed.

🛵 Trans_Coder					_ 🗆 X
Date (YY-MM Ch	1 Start time	End Time	Size	Status	
Add Remove	Clear				
Save as : 💿 MPEG1	Destinat	ion			Browse
Video : Quality 🔽	ry High 💌 🛛 CIF 💌	📔 🗖 Water Mark	🗖 Time \	/iew Day/M	1on/Year 👻
Etc : 🥅 Partitic	on Size MB	🥅 Merge All	🗖 Show I	Preview	
			Ir	nformation —	
				Vid	eo : O frames
				VIU	eo : o names
,				Auc	lio : O frames
E	lapsed time	C	onvert	Stop	Exit

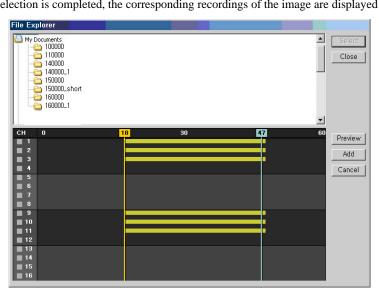
(3) Click the [Add] button to search the file you want to transfer.



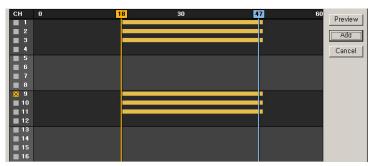
(4) Select the directory for the desired time zone from the directory list, and click the [Select] button on the right-side of the screen.



(5) Once the selection is completed, the corresponding recordings of the image are displayed as a graph.



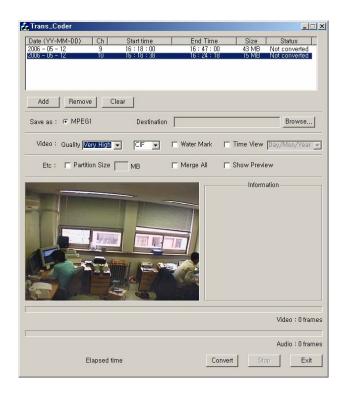
(6) If you select a channel from the list, the front side of the channel is indicated with the \times mark.



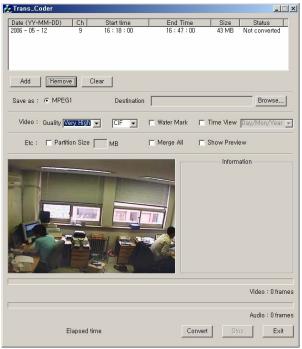
(7) To preview images of the corresponding channel, click the Preview button.



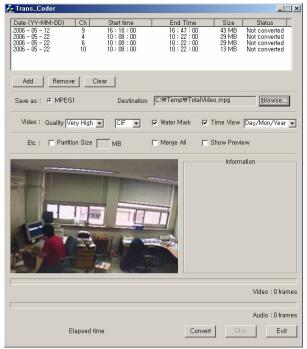
- A) Start plays images
- B) End stops the preview and closes the dialog box.
- C) Capture saves the corresponding image as a picture file.
- D) Color changes the color of texts displayed on the screen.
- E) OK stops the preview and closes the dialog box.
- F) Cancel closes the Preview dialog box.
- (8) To remove an image from the list, select it and click the [Remove] button.



(9) This shows that an image is removed from the list by using the [Remove] button. (To clear all images from the list, click the [Clear] button.).



- (10) Only the MPEG1 file format is supported.
- (11) Specify a file name that you want to display in the Destination.



(12) The context of the Quality consists of Very High - High - Medium - Low - Very Low steps

(13) CIF / FULL indicates the resolution.

(14) The predefined watermark is inserted into the image. It is not visible to the naked eyes but can be seen from a dedicated detector.

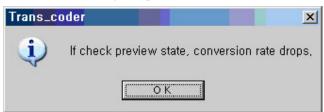
(15) The Time View is used to set the screen view format of the date and time.

(16) If you select the Partition from the Etc and enter a size, the image is segmented according to the input

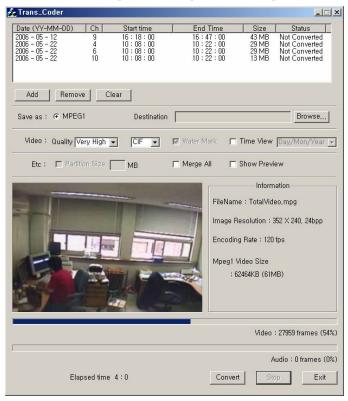
unit. (Unit: Mega Byte)

(17) With the Merge All, you can merge images by channel and by time as one file.

(18) If you select the Show Preview, the following warning message is displayed. You can see the transformation process on the screen although its speed decreases a little.



(19)This screen shows the transformation process. To stop it, click the Stop button.



(20) Once the transformation is completed, a completion message is displayed as in the following figure. Then, click the [OK] button.



Chapter Calculator

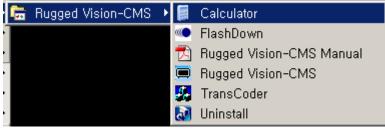
- Overview

(1) The calculator program estimates the record duration depending on the HDD space and record settings.

- Running and using

- - How to run it

(1) Click the Start > All Programs > Rugged CCTV > RUGGED VISION CMS> Calculator menu



(2) Basic screen

📓 Calculator					_ 🗆 🗙
Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
	Very High	500	CIF	30	24
2	¥ery High	500	CIF	30	24
	¥ery High	500	CIF	30	24
4	Very High	500	CIF	30	24
	¥ery High	500	CIF	30	24
6	¥ery High	500	CIF	30	24
	¥ery High	500	CIF	30	24
8	¥ery High	500	CIF	30	24
	¥ery High	500	CIF	30	24
10	Very High	500	CIF	30	24
11	¥ery High	500	CIF	30	24
12	Yery High	500	CIF	30	24
13	¥ery High	500	CIF	30	24
14	¥ery High	500	CIF	30	24
15	¥ery High	500	CIF	30	24
16	¥ery High	500	CIF	30	24
- Setup					
				Calcu	late
VIDEO N	NTSC				
MODEI	NO, Prem	ier 480	•	Res	et
HDD CAPA		0 (GB)			
DAY / I	-10UB	0		Clos	se

- (3) VIDEO MODE : There are two types; NTSC and PAL. (it depends on the camera specification.)
- (4) MODEL NO. : Enter the model number of the DVR system. (Premier XX, Workhorse XX)
- (5) HDD CAPACITY (GB) : Enter the total space of the HDD. (Unit: Giga Byte)
- (6) DAY / HOUR : calculated values are displayed. (** Days ** Hour)

📓 Calculator 📃 🗐 🗙							
Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)		
1	¥ery High	500	CIF	30	24		
2	Very High	500	CIF	30	24		
3	Very High	500	CIF	30	24		
4	¥ery High	500	CIF	30	24		
5	¥ery High	500	CIF	30	24		
6	Very High	500	CIF	30	24		
7	¥ery High	500	CIF	30	24		
8	Very High	500	CIF	30	24		
9	Very High	500	CIF	30	24		
10	Very High	500	CIF	30	24		
11	¥ery High	500	CIF	30	24		
12	Very High	500	CIF	30	24		
13	¥ery High	500	CIF	30	24		
14	Very High	500	CIF	30	24		
15	¥ery High	500	CIF	30	24		
16	Very High	500	CIF	30	24		
Setup				Calcu	oto		
VIDEO N	NTSC	L	iuto				
MODEL	NO, Prem	Res	et				
HDD CAPA	CITY 7	20 (GB)					
DAY / HOUR 1 Day 20 Hours			Clo:	se			

- - Description on detail functions

- (1) Channel
- A) To enable/disable all channels, click the Channel in the title bar.

📓 Calculator	📓 Calculator 📃 📃 🗙							
Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)			
1	On h	500	CIF	30	24			
2	Off h	500	CIF	30	24			
3	Yery High	500	CIF	30	24			
4	¥ery High	500	CIF	30	24			
5	¥ery High	500	CIF	30	24			
6	Yery High	500	CIF	30	24			
7	¥ery High	500	CIF	30	24			
8	Very High	500	CIF	30	24			
9	¥ery High	500	CIF	30	24			
10	Very High	500	CIF	30	24			
11	¥ery High	500	CIF	30	24			
12	¥ery High	500	CIF	30	24			
13	¥ery High	500	CIF	30	24			
14	¥ery High	500	CIF	30	24			
15	Very High	500	CIF	30	24			
16	¥ery High	500	CIF	30	24			
- Setup				_				
VIDEO N	10DE NTSC	Calcu	late					
MODEL	NO, Prem	Res	et					
HDD CAPA	HDD CAPACITY 720 (GB)							
DAY / H	HOUR 1	Clos	5e					

B) To enable/disable a channel, double-click it in the same way.

(2) Max Bitrate (Kbyte)

A) Click the Max Bitrate (Kbyte) in the title bar to set all channels with the same ratio. (This figure shows that the ratio is changed from 250 to 1000.)

📑 Calculator					_ 🗆 X
Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	1000	500	CIF	30	24
2	¥ery High	500	CIF	30	24
3	¥ery High	500	CIF	30	24
4	¥ery High	500	CIF	30	24
5	¥ery High	500	CIF	30	24
6	Yery High	500	CIF	30	24
7	¥ery High	500	CIF	30	24
8	¥ery High	500	CIF	30	24
9	¥ery High	500	CIF	30	24
10	¥ery High	500	CIF	30	24
11	¥ery High	500	CIF	30	24
12	Yery High	500	CIF	30	24
13	¥ery High	500	CIF	30	24
14	¥ery High	500	CIF	30	24
15	Yery High	500	CIF	30	24
16	¥ery High	500	CIF	30	24
- Setup					
VIDEO N	10DE NTSC			Calcu	late
MODEI	· · · · · · · · · · · · · · · · · · ·	 ier 480	T	Res	et 1
				Hes	et
HDD CAPACITY 720 (GB) Clos					se
DAY / I	HOUR 1	Day 20 Hours			

B) You can modify the Max Bitrate (Kbyte) of a channel. If you click it, the color is changed to the orange color. To enter a number, double-click it.

📓 Calculator 📃 🗔 🗙							
Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)		
1	Very High	1000	CIF	30	24		
2	¥ery High	1000	CIF	30	24		
3	Very High	1000	CIF	30	24		
4	Very High	1000	CIF	30	24		
5	¥ery High	1000	CIF	30	24		
6	Very High	1000	CIF	30	24		
7	¥ery High	1000	CIF	30	24		
8	Very High	1000	CIF	30	24		
9	¥ery High	1000	CIF	30	24		
10	Very High	1000	CIF	30	24		
11	¥ery High	1000	CIF	30	24		
12	¥ery High	1000	CIF	30	24		
13	Very High	1000	CIF	30	24		
14	¥ery High	1000	CIF	30	24		
15	Very High	1000	CIF	30	24		
16	¥ery High	1000	CIF	30	24		
– Setup ––––							
VIDEO N	NTSC	-		Calcu	late		
MODE	NO, Prem	Res	et				
HDD CAPA	CITY 7						
DAY / I	HOUR 1	Clos	5e				

🔋 Calculator					_ 🗆 >
Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
	¥ery High	1000	CIF	30	24
2	¥ery High	1000	CIF	30	24
	¥ery High	1000	CIF	30	24
4	¥ery High	1000	CIF	30	24
	¥ery High		CIF	30	24
6	¥ery High	1000	CIF	30	24
	¥ery High	1000	CIF	30	24
8	¥ery High	1000	CIF	30	24
	¥ery High	1000	CIF	30	24
10	¥ery High	1000	CIF	30	24
11	¥ery High	1000	CIF	30	24
12	¥ery High	1000	CIF	30	24
13	¥ery High	1000	CIF	30	24
14	¥ery High	1000	CIF	30	24
15	¥ery High	1000	CIF	30	24
16	¥ery High	1000	CIF	30	24
- Setup					
VIDEO I	MODE NTSC	Calcu	ılate		
MODE		Res	set		
HDD CAP/	ACITY 7	Clo	se		
DAY /	HOUR 1				

C) This figure shows that it is changed to 500.

🥫 Calculator					_ 🗆 X
Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	¥ery High	1000	CIF	30	24
2	¥ery High	1000	CIF	30	24
3	¥ery High	1000	CIF	30	24
4	Very High	1000	CIF	30	24
5	¥ery High	500	CIF	30	24
6	Very High	1000	CIF	30	24
7	¥ery High	1000	CIF	30	24
8	Very High	1000	CIF	30	24
9	Very High	1000	CIF	30	24
10	¥ery High	1000	CIF	30	24
11	Very High	1000	CIF	30	24
12	Yery High	1000	CIF	30	24
13	Very High	1000	CIF	30	24
14	¥ery High	1000	CIF	30	24
15	¥ery High	1000	CIF	30	24
16	Very High	1000	CIF	30	24
- Setup					
VIDEO N	IODE NTSC	-		Calcu	ilate
MODEI	NO. Prem	Res	ot		
			et		
HDD CAPACITY 720 (GB) Close					se
DAY / I	HOUR 1	Day 20 Hours			

(3) Recording Resolution

Controls the resolution of the recording images

NTSC type : CIF - 352*240 / Field - 704*240 / Full - 704*480

PAL type : CIF - 352*288 / Field - 704*288 / Full - 704*576

A) To change the resolution of all channels with an equal value, click the Recording Resolution in the title bar.

Calculator Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)	
1	Yery High	(KByte) 1000	CIF	CIF	(Hours) 24	
2	Very High	1000		Field	24	
3	Very High	1000		Full	24	
4	Very High	1000		30	24	
4 5	Very High	500		30	24	
6	Very High	1000		30	24	
7	Very High	1000		30	24	
8	Very High	1000		30	24	
o q	Very High	1000		30 30	24	
9 10		1000		30	24	
10	Very High	1000		30 30	24	
	Very High					
12	Very High	1000	CIF	30	24	
13	Very High	1000	CIF	30	24	
14	Very High	1000	CIF	30	24	
15	Very High	1000	CIF	30	24	
16	Very High	1000	CIF	30	24	
-Setup				_		
VIDEO N	IODE NTSC	-		Calcu	ulate	
MODEL NO. Premier 480 Reset					set	
HDD CAPACITY 720 (GB)						
DAY / HOUR 1 Day 20 Hours Close					<u> </u>	

B) You can modify the resolution of a channel. If you click it, the color is changed to the orange color. Select an item in the context menu by double-clicking it.

🥫 Calculator					_ 🗆 X
Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	¥ery High	1000	CIF	30	24
2	Very High	1000	CIF	30	24
3	Yery High	1000	CIF	30	24
4	¥ery High	1000	CIF	30	24
5	Yery High	500	CIF	30	24
6	¥ery High	1000	CIF	30	24
7	Very High	1000	CIF	30	24
8	¥ery High	1000	CIF	30	24
9	Very High	1000	CIF	30	24
10	¥ery High	1000	CIF	30	24
11	Very High	1000	CIF	30	24
12	¥ery High	1000	CIF	30	24
13	Very High	1000	CIF	30	24
14	¥ery High	1000	CIF	30	24
15	¥ery High	1000	CIF	30	24
16	Very High	1000	CIF	30	24
- Setup					
VIDEO N					
MODEL		Res	et		
HDD CAPA	HDD CAPACITY 720 (GB)				se
DAY / H	DAY / HOUR 1 Day 20 Hours				

Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
	Very High	1000	CIF	30	24
2	¥ery High	1000	CIF	30	24
	Very High	1000	CIF	30	24
4	¥ery High	1000	CIF	30	24
	Very High	500	CIF	30	24
6	Very High	1000	CIF	CIF	24
	Very High	1000	CIF	Field	24
8	Very High	1000	CIF	Full	24
	Very High	1000	CIF	30	24
10	Very High	1000	CIF	30	24
11	Very High	1000	CIF	30	24
12	¥ery High	1000	CIF	30	24
13	Very High	1000	CIF	30	24
14	Very High	1000	CIF	30	24
15	Very High	1000	CIF	30	24
16	Very High	1000	CIF	30	24
Setup VIDEO N MODEI HDD CAPA DAY / I	L NO, Prem	Calcu Res Clo	et		

(4) Frame Rate (Frame/Sec)

Enter the number of frames per second of a recoding image.

A) To change all channels with a same frame rate, click the Frame Rate (Frame/Sec) in the title bar.

🧕 Calculator					
Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	¥ery High	1000	CIF	30	Off
2	¥ery High	1000	CIF	30	1
3	¥ery High	1000	CIF	30	2
4	¥ery High	1000	CIF	30	3
5	¥ery High	500	CIF	30	4
6	¥ery High	1000	CIF	30	6
7	¥ery High	1000	CIF	30	8
8	¥ery High	1000	CIF	30	10
9	¥ery High	1000	CIF	30	15
10	¥ery High	1000	CIF	30	30
11	¥ery High	1000	CIF	30	24
12	Very High	1000	CIF	30	24
13	¥ery High	1000	CIF	30	24
14	Very High	1000	CIF	30	24
15	¥ery High	1000	CIF	30	24
16	¥ery High	1000	CIF	30	24
- Setup					
VIDEO N	MODE NTSC	-		Calcu	ilate
MODE	MODEL NO. Premier 480				et
	HDD CAPACITY 720 (GB)				
		Clos	se		
DAY /	HOUR 1	Day 20 Hours			

B) You can modify the frame rate of a channel. If you click it, the color is changed to the orange color.
Select one in the context menu by double-clicking it.

📓 Calculator					_ 🗆 🗙
Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	Very High	1000	CIF	30	24
2	¥ery High	1000	CIF	30	24
3	Very High	1000	CIF	30	24
4	Very High	1000	CIF	30	24
5	Very High	500	CIF	30	24
6	Very High	1000	CIF	30	24
7	Very High	1000	CIF	30	24
8	Very High	1000	CIF	30	24
9	Very High	1000	CIF	30	24
10	Very High	1000	CIF	30	24
11	Very High	1000	CIF	30	24
12	Very High	1000	CIF	30	24
13	Very High	1000	CIF	30	24
14	Very High	1000	CIF	30	24
15	Very High	1000	CIF	30	24
16	¥ery High	1000	CIF	30	24
- Setup					
VIDEO N	VIDEO MODE NTSC -				
MODEL	MODEL NO, Premier 480				
HDD CAPA	CITY 7	Clo			
DAY / I	DAY / HOUR 1 Day 20 Hours				

Calculator Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	¥ery High	1000	CIF	30	24
2	¥ery High	1000	CIF	30	24
	¥ery High	1000	CIF	30	24
4	¥ery High	1000	CIF	30	24
	¥ery High	500	CIF	30	24
6	¥ery High	1000	CIF	30	24
	¥ery High	1000	CIF	30	24
8	¥ery High	1000	CIF	30	24
	Very High	1000	CIF	30	24
10	¥ery High	1000	CIF	30	Off
11	Very High	1000	CIF	30	1
12	Very High	1000	CIF	30	2
13	¥ery High	1000	CIF	30	3 4
14	Very High	1000	CIF	30	4 5
15	¥ery High	1000	CIF	30	6
16	¥ery High	1000	CIF	30	8
- Setup					10
VIDEO I	MODE NTSC			Calcu	15 30
MODEL NO. Premier 480 💌					et
HDD CAPACITY 720 (GB)					se l
DAY /					

(5) Recording Hour a Day (Hours)

Specifies recording hours in a day.

A) To change all channels with a same value, click the Recording Hour a Day (Hours) in the title bar.

🥫 Calculator					_ 🗆 X
Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	Very High	1000	CIF	16	24
2	¥ery High	1000	CIF	30	24
3	Very High	1000	CIF	30	24
4	Very High	1000	CIF	30	24
5	Very High	500	CIF	30	24
6	Very High	1000	CIF	30	24
7	Very High	1000	CIF	30	24
8	Very High	1000	CIF	30	24
9	Very High	1000	CIF	30	24
10	Very High	1000	CIF	30	24
11	Very High	1000	CIF	30	24
12	Very High	1000	CIF	30	24
13	Very High	1000	CIF	30	24
14	Very High	1000	CIF	30	24
15	Very High	1000	CIF	30	24
16	Very High	1000	CIF	30	24
- Setup					
VIDEO N	IODE NTSC			Calcu	Ilate
MODEI		ier 480 20 (GB)	•	Res	et
HDD CAPA	CITY 7	Clos			
DAY / F	HOUR 1				

B) You can modify the recording hours of a channel. If you click it, the color is changed to the orange color. Select one in the context menu by double-clicking it.

	Calculator					_ 🗆 🗙
	Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
		¥ery High	1000	CIF	30	16
	2	Yery High	1000	CIF	30	16
		¥ery High	1000	CIF	30	16
	4	Yery High	1000	CIF	30	16
		¥ery High	500	CIF	30	16
	6	¥ery High	1000	CIF	30	16
		¥ery High	1000	CIF	30	16
	8	¥ery High	1000	CIF	30	16
		¥ery High	1000	CIF	30	16
	10	Yery High	1000	CIF	30	16
	11	¥ery High	1000	CIF	30	16
	12	Yery High	1000	CIF	30	16
	13	Yery High	1000	CIF	30	16
	14	¥ery High	1000	CIF	30	16
	15	Yery High	1000	CIF	30	16
	16	¥ery High	1000	CIF	30	16
	-Setup					
						late
	MODEL	NO, Premi	ier 480	•	Res	et
	HDD CAPA	CITY	(GB)		Clos	se
	DAY / H	DAY / HOUR				
_						

Channel	Recording Qualit y	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)
1	¥ery High	1000	CIF	30	16
2	Very High	1000	CIF	30	16
	Very High	1000	CIF	30	16
4	Very High	1000	CIF	30	16
	Very High	500	CIF	30	16
6	Very High	1000	CIF	30	16
	Very High	1000	CIF	30	16
8	Very High	1000	CIF	30	24
	Very High	1000	CIF	30	16
10	¥ery High	1000	CIF	30	16
11	Very High	1000	CIF	30	16
12	¥ery High	1000	CIF	30	16
13	Very High	1000	CIF	30	16
14	Very High	1000	CIF	30	16
15	Very High	1000	CIF	30	16
16	Very High	1000	CIF	30	16
- Setup				Calcu	ılate
VIDEO MODE NTSC -					
MODEL NO. Premier 480					set
HDD CAPA DAY / I	Clos	se			

(6) To set the value back to default, press the Reset button.

(7) If you press the Calculate button after all input items are selected, the calculated output value is displayed in the DAY/HOUR.

📓 Calculator 📃 🗌 🗙									
Channel	Recording Quality	Max Bitrate (KByte)	Recording Resolution	Frame Rate (Frame/Sec)	Recording Hour a Day (Hours)				
1	¥ery High	1000	CIF	30	16				
2	¥ery High	1000	CIF	30	16				
3	¥ery High	1000	CIF	30	16				
4	¥ery High	1000	CIF	30	16				
5	¥ery High	500	CIF	30	16				
6	¥ery High	1000	Field	15	16				
7	¥ery High	1000	CIF	30	16				
8	¥ery High	1000	CIF	30	24				
9	¥ery High	1000	CIF	30	16				
10	¥ery High	1000	CIF	15	16				
11	¥ery High	1000	CIF	30	16				
12	¥ery High	1000	CIF	30	16				
13	¥ery High	1000	CIF	30	16				
14	Very High	1000	CIF	30	16				
15	¥ery High	1000	CIF	30	16				
16	Very High	1000	CIF	30	16				
– Setup ––––									
VIDEO N	NTSC	Calcu	late						
MODE	MODEL NO, Premier 480				et				
HDD CAPA	HDD CAPACITY 720 (GB)								
DAY / I	Clos	se							

Chapter Flash Down

- Overview

(1) This is the DVR system update program, and uses the RS232C cable if you are connecting directly to the DVR or crossover cable, or you can access it through the network connection.

- Running and using

- - Running

(1) Click the Start > All Programs > Rugged CCTV > RUGGED VISION CMS> FlashDown menu



(2)Local Upgrade

In this type, the user performs the upgrade task by connecting the RS232C cable to his/her PC and then directly to the DVR.

A) Prerequisites

The RS232C cable connection should be established.

- The network setup should be configured.
- B) In the Select COM Port, specify the port that the RS232C cable is connected to.
- C) In the PC IP Address, enter the IP of the user PC.

🝽 Flash Down	×
Local Upgrade Network Upgrade	
Select COM Port COM1 💌	
PC IP Address 211 . 117 . 0 . 0	
Select File Celect DVR Model	
□ Partupdate	
0%	
Upgrade Disconnect Close	

- D) To add upgrade files, select the Partupdate.
- E) Click the [Open] button by selecting all of three files that are shown on the screen.

open	?×
Look in	🗀 burnallimage, v2, 5, 00, 0603_withoutb 💌 🖛 🗈 📸 🖅
imdvrs, app imdvrs, kernel imdvrs, ramdisl	
File name:	"imdvrs,app" "imdvrs,kernel" "imdvrs,ramdisk" OK
Files of type :	update files (*,kernel, *,ramdisk, *,app) 💌 CANCEL
	READ ONLY

F) Once files that will be upgraded are selected, select the model of the corresponding DVR from the Select DVR Model.

CFlash Down	x
Local Upgrade Network Upgrade	
Select COM Port COM1 💌	
PC IP Address 211 . 117 . 0 . 0	
Select File Select DVR Model	1
Image: Partupdate Image: C 1648 C 400 C 810 / 1610	
0%	
Upgrade Disconnect Close	

G) If the Success message is displayed after you click the Upgrade, reboot the DVR system. Then, the upgrade task continues to proceed. (Success, open the COM port – Reset DVR, please)

🝽 Flash Down	×
Network Upgrade Local Upgrade	1
Select COM Port COM1	
PC IP Address	
Select DVR Model	
0%	
Upgrade Disconnect Close	

- (3) Network Upgrade
- A) DVR and user PC should be connected across the network.

🕶 Flash Down	×
Local Upgrade Network Upgrade	
C DVR Connect Information	
IP Address	
Port 2000	
UVR Account Infomation	
User ID	
Password	
Upgrade File Path	
0%	
0 / 0 byte	
Upgrade Disconnect Close	

B) Fill out each item.

IP Address : IP of the DVR system Port : 2000 User ID : user ID Password : User password

Flash Down	Nisture de Lis -	unda l		
Local Upgrade	Network Upg	rade		
C DVR Connect	Infomation -			
IP Address	192 ,	168 .	100	. 42
Port	2000			
Г DVR Account	Information -			
User ID	user1			
Password	******			
Upgrade File	Path			
	0	%		
				0 / 0 byte

C) For the Upgrade File Path, select the file you want to upgrade.

The file name is *.bin.

open							? ×
	Look on	🚞 burnallimage, v2, 5, 00, 0603_withoutb 💌	+	£	🗗 🔁		
) im	dvrs 1648, bin						
		jimdvrs1648, bin		Ĩ		Open	
Fi	les of type :	update files (*,bin)	-]		CANCE	:L
		READ ONLY			_		

D) Once the setup is completed, click the Upgrade button to continue the upgrade task.

🍽 Flash Down		x				
Local Upgrade N	letwork Upgrade					
C DVR Connect Information						
IP Address	192 , 168 , 100 , 42					
Port	2000					
C DVR Account Infomation						
User ID	user1					
Password	*****					
_ Upgrade File Path						
C:₩업데이트₩burnallimage,v2,5,00,0603_wit						
62%						
7247872 / 11563869 byte						
	Upgrade Disconnect Close					

E) If the upgrade task is completed, a notification message is displayed. Then, press the [OK] button to finish it at the user PC side.

Flashdo	wn 🔀
i	Successed trans Update file,
	<u>ok</u>

F) DVR system continues to upgrade files. And then, it reboots by itself.

A/P/P/E/N/D/I/X

• Table of compatibility between codes for the mass production DVR and RUGGED VISION CMS versions

RUGGED VISION CMS Version DVR mass production codes	V1.1.2.1 7577	V1.1.2.1 V1.1.2.17704	V1.1.2.1 7850	V1.2.0.0 V1.2.0.0533
DA - V1.6 (2729,2837,2838)	ОК	Incompatible	Incompatible	Incompatible
DB - V1.6 (3420)	Incompatible	OK	Incompatible	Incompatible
DC - V2.0 (466,468)	Incompatible	Incompatible	OK	Incompatible
DD - V2.5 (612)	Incompatible	Incompatible	Incompatible	ОК

Cautions

Although the RUGGED VISION CMS PROGRAM- V1.1.2.1(7850), for both DC and DD, provides live and playback functions, the RUGGED VISION CMS PROGRAM- V1.2.0.0(533) is not compatible with the DC Version.