





CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert the user to the presence of unprotected "Dangerous voltage" within the product's enclosure that may be strong enough to cause a risk of electric shock.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOIS-TURE.

NOTE: This equipment has been tested and found to comply with the limits for a class digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Notice: Ghosting or fractured images may occur on the screen when there is a suddenly surge or lightning stroke which cause damage on IC in the DVRs.



GPL Licensing

This product contains codes which are developed by Third-Party-Companies and which are subject to the GNU Public License ("GPL2") or the GNU Lesser Public License ("LGPL"). The GPL Code used in this product is released without warranty and is subject to the copyright of the corresponding author. Further source codes which are subject to the GPL-licenses are available upon request. We provide our modifications to the Linux Kernel, as well as new commands, and tools to get you into the code. The codes are provided on the FTP site, and please download them from the following site or you can refer to your distributor:

FTP site : http://icatch.azurewebsites.net/GPL/

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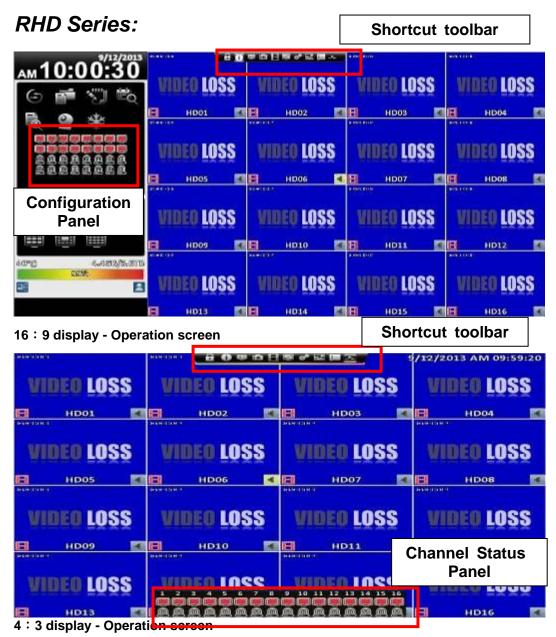
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Note : The number of channels, sensors, relays, and split screen, and the resolution in the following figures are for reference. The actual screen output may be different by different models.

Chapter 1 LIVE OPERATIONS

In the live mode, you may monitor all channels of the DVR, listen to live audio from cameras, and configure the DVR. The DVR can support 4:3 and 16:9 aspect ratios of the screen layout. There is a shortcut toolbar on the top of the screen for users to logout, to access system information, to change screen aspect ratio, to make the DVR window full-screen, and to configure network stream quality. In the 16:9 mode, there are two major panes, the configuration menu and channel pane for video of channels. In the 4:3 mode, a user may access the configuration pane by right-clicking the mouse on the screen splits and a channel status pane will appear when the mouse cursor moves to the bottom of the screen



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31 B	WIDEO LOSS	WIDEO LOSS	WIDEO LOSS	WIDEO LOSS
	СН17 🖪	CH18	CH19	СН20

16:9 display - Operation screen

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4: 3 display - Operation screen

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<u>88888888</u>	E CH13 🚺	E CH14 💽	VIDEO	LOSS	CH15 💽	🗄 СН16 🜠
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	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
	EI CH27	🖪 СН28	🗄 СН29	🗄 СНЗО	🖪 СНЗ1	🖪 СНЗ2

16:9 display - Operation screen

Shortcut toolbar

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4: 3 display - Operation screen

Table 1-1 Icon description in live mode

lcon	Description
	Recording of a channel is activated.
40	Live audio of a channel is activated.
	Live audio of a channel is not activated.
	Video signal of a channel is available.
**	Event recording of a channel is active in this channel.
A	Motion detection of a channel is triggered.
<u></u>	Alarm is triggered of a channel. The number of available alarms depends on models.
Ē	Alarm is not triggered of a channel.
	The channel video-loss alarm of a channel has been triggered.
↔	USB device has been detected.
	DVD device has been detected.
	Network connection is available
	Network connection is not available
	Displays the current user
	Displays the current disk space and usage.
38°C 748.59GB/753.32GB	(The figure shows 99% of the disk space has been used, and 1% is available.). The current disk temperature is also shown.
2009/09/23 14:05:02	Each channel shows the time stamp for local playback, remote live, remote playback, and backup -video.

Chapter 2 MAIN MENU SETUP

To enter the main menu and set up a DVR, log-in account and user password are required. The default password of the administrator is "**123456**". Please check the "Account Setup" for management of other log-in users.

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VIDEO LOSS	VIDEO LOSS			VIDEO LOSS	VIDEO LOSS
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VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDED LOSS
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DECOLOSS CH27	VIDEO LOSS CH28	VIDEO LOSS CH29	VIDEO LOSS CH30	VIDEO LOSS CH31	DIRECT LOSS CH32

Table 2-1 Definition of keys of virtual keyboard

lcon	Description
巻 / 企	Switch between capital letters and lower-case letters.
.?123 / ABC	Switch between numbers and letters
<≈	Delete the last character •
	Enter to verify the password. The DVR shows the setup menu, if the password is accepted.
	Space key

ltem	Description
▲ ►	Switch to previous or next options of an item
▲ ▼	Switch to different items
MENU	Save setup and back to the LIVE mode
ESC	Back to upper level of menu without saving
ENTER	Enter the menu, or display virtual keyboard

There are icons within the configuration pane on the live mode to operate different features of the DVR. The configuration pane is always on the left or right side of the screen in the 16:9 mode and can to be evoked by right-click in the 4:3 mode.

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e i (*	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
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16:9 display, the main menu is on the right side of the screen

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4:3 display, right-click on the screen to evoke the main menu.¹

¹ Icons may be slightly different by different models

lcon	Description
\bigcirc	Evoke the auto sequential menu
	Set the backup menu to backup video data from DVR HDD.
*	Set the configuration menu to access recording settings, event settings, camera settings, account settings, network settings, storage settings, system configuration, and information
	Set the time search menu to choose a specific time of the recorded video to playback
	Playback Menu
B	Set the event search menu to access the list of events recorded by the DVR. The event list will show the event occurrence time, event category, channel events, and other information.
9	Set the PTZ mode
ح	Focus Mode *1
Q	Set the Zoom-in function. The DVR supports zoom-in from 2x to 8x digital zoom
業	Set image freeze function
1. Ale and the second s	Disable image freeze function

	Enable/Disable PIP *2
	Switch to single split
	Switch to 4-split display
	Switch to 9-split display
	Switch to 10-split display
	Switch to 13-split display
	Switch to 16-split display
20	Switch to 20-split display
25	Switch to 25-split display
32	Switch to 32-split display

*1.Maya V2 Series not support focus mode
*2 PIP not Support RHD-813B

RHD-1613B

HHD-2013B

DVR-3213B

2-1 Auto Sequential

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16:9 display

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		Quad-Scree	en Division	Press of the P	
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Contra de Ca	Second a second	32-Screen	Division	present of the lat	**********
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4:3 Display

Item	Description
Interval	The time interval between each channel display
All Channels	The DVR automatically switches between channels with designated interval. The DVR shows each channel in a single-split mode.
Quad-Screen Divi- sion	The DVR automatically switches between channels with designated interval. The DVR shows channels in 4-split mode.
9-Screen Division	The DVR automatically switches between channels with designated interval. The DVR shows channels in 9-split mode.
10-Screen Division	The DVR automatically switches between channels with designated interval. The DVR shows channels in 10-split mode.
16-Screen Division	The DVR automatically switches between channels with designated interval. The DVR shows channels in 16-split mode.
20-Screen Division	The DVR automatically switches between channels with designated interval. The DVR shows channels in 20-split mode.
32-Screen Division	The DVR automatically switches between channels with designated interval. The DVR shows channels in 32-split mode.

2-2 Backup

User can backup recorded video data of a specified time frame. The DVR can backup video data to either direct-attached storage, such as DVR or USB drive, or remote folder of a PC.

2-2.1 Selection

Item Description	
From	The start time of video data to be backed up
То	The end time of video data to be backed up
Duration	The time duration of backup file
All	It can select all channels or clear all selected channels to backup
Required Space	Show the size of the backup file



	2000-2005	8.065/931.565 9/12/2013"AM 10:27 Backup	/:05
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			°

Item	Description
Backup Device	Select target device of backup (USB/DVD-RW/remote folder) 。
Status	The status of target backup device
Free Space	The available space in the target backup device. (not available for remote folder backup)
	Start backup operation.
Backup	Be sure to calculate the size of backup file BEFORE operating backup.

2-2.2 Select Backup Device

	2010/03/02 10 37 30	8.0GB/931.5GB	»ни сла 9/12/2013°AM 10:27:53
		Backup	s.
	Data		
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V	Backup Device:	USB Flash Dri	ve S
	Status:	USB Flash Dri	VG
332671	Free Space:	DVD-RW Folder	
			2
22724/074		Backup	
Dibart			
<u>V</u>		Close	S
B	CH27 📙 CH28	CH29 CH30	CH31 CH32

Do not unplug the USB device or turn off the DVR during the backup process to avoid unrecoverable error.

2-3 Configure

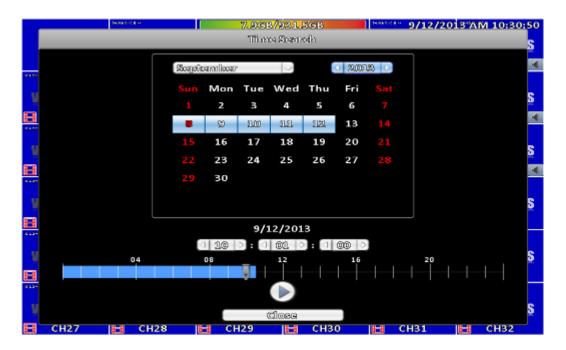
Evoke the configuration menu, recording settings, event settings, camera settings, account settings, network settings, storage settings, system configuration, and information. Please refer to chapter 3 for detail.



2-4 Time Search

Time search can search for the specific time of recorded data to playback. Note that dates with recording data are marked with a blue box. System will start playing video of specified time slot. Calendar will be shown by using mouse to click on "year" and "month".

Click "date" to display recording time of that specific date with time bar. You can change time (hour/minute/second) or click on a specific pint of time bar by mouse then press "ok". DVR will playback the recorded data of the specific time.



Item	Description
	Playback button, start play- back.
	Select playback time by slid- ing the position of the cursor to the specified time. The timeline scale is 24 hours. The blue chart represents available video data.

9/12/2013		CONT. NO. N	40.4142	500-007	and the	206.00.0
ам 10:31:05		VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
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16:9 Display

Playback configuration

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2010/02/01 10:01:11	Statics (Circ)	2013/09/12 10:01:11		annes e es	anawara dooron	
VIDEO LOSS	VIDEO LOSS			VIDEO LOSS	VIDEO LOSS	
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<u>}</u> ≣ ≪I>7		<u> </u>	▶ ¹² 0H30	D16 CH31 2	🕩 СН32	

4:3 Display

Button	Description				
ENTER/ MODE	Switch to full screen or multi split display.				
MENU / 💵	Turn on/off PAUSE.				
PLAY	Playback at normal speed.				
▲ / SLOW	Playback at slower speed. The speed will be slowed to 1/2, 1/4, 1/8 playback speed, by each pressing of the button till the slowest speed.				
•• / •	Fast rewind. Each press increases the rewind speed to the next level. There are six speeds: 2x, 4X, 8X, 16x, 32X and 64X.				
>> / >	Fast forward. Each press increases the forward speed to the next level. There are six speeds: 2x, 4X, 8X, 16x, 32X and 64X.				
▼ / ■	Stop playback.				

Table 2-4 Available keys on the remote control functions in the PLAYBACK mode

Table 2-5 The mouse operation under the PLAYBACK mode.

lcon	Description
	Stop playback, and go to previous page
	Play
00	Pause
	Fast rewind, speed 4x, 8x, 16x, 32x
	Fast forward, speed 4x, 8x, 16x, 32x
	Slow playback, speed 1/2x, 1/4x, 1/8x
	Step playback
Q	Zoom-in display, 2x~8x digital zoom
	Full screen display
	Quad display
	9 screen display
	10 screen display

	16 screen display
20	20 screen display
25	25 screen display
<u>82</u>	32 screen display

If you want to monitor single channel, please double-click the preferred channel.



16:9 Display



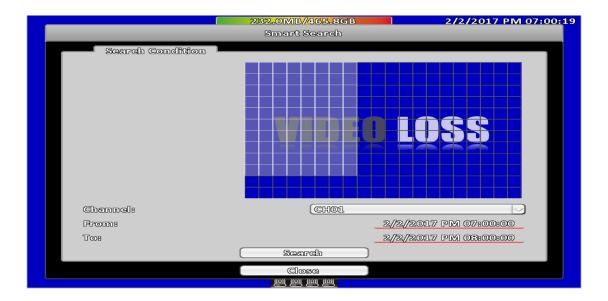
4:3 Display P.S Can drag a small window

2-4-1 Smart search

Smart search is the function which allow user to search specified recording area with moving objects and backup, for example: motion...

Selecting specified area which was recorded with motion and triggered by moving objects.





2-5 System Logs

The DVR logs events automatically. The event list shows the logged events, event type, event detail, event filter (criteria), and page number of the event list. If the event video is logged, there is a gray video symbol "▶" on the left of the event. Move the cursor to event line and press "ENTER", or double-click mouse button, DVR playback this record video related to the event.

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		Criteria			0 8 0	ਦ 🗖
10.000		Date/Time	Event	User/Det	tails	
		2012/09/12 10:28:51	Backup	[[admin]]		
- M	•	2013/03/12 10:26:56	User Legin	[(නමැතවත)] :	192.169.5.191	5
B		2018/02/12 10#26#47	Weer Legennit	[[mcinnfin]] :	192,163,2,131	
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		2203123/70723/75122 5100822438072/	Waar logout	[(admin] :	192.163.2.131	
- W	•	2016/09/12 10:26:14	User Login	[(සමහාමහ)] :	192.163.8.131	5
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1.00	•	2012/09/12 10:22:15	Wideo Loss	CH26		
- 14		2012/09/12 10:22:15	Video Lozz	CH2S		<u> </u>
E	•	2013/03/12 10:22:15	Video Loss	CH223		
10.000		2018/02/12 10H22H1R	Wideo Loss	GH2B		
	►	20012/00/12 10:22:15	\\fidaco Lasss	CHIZZ		
- M			Close			5
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Note: If the hard disk is not installed or has not started recording, the DVR will produce the event list, but the user cannot playback the video of a specific event by clicking the event.

Item	Description
Criteria	Set the conditions for the event search
	Slide the slider to choose a page of the event list. The right num- bers will show the corresponding page number
1 1 >	Press left and right arrow keys or enter the page number directly. It will go to the select event page.
¢	Refresh the event list.

2-5.1 Search Criteria

The number of event is up to thousands, therefore, to set "search criteria" to facilitate rapid classification of events. If the checkbox of start time and end time is checked, the event list will only display the events within the specific time slot. If the user unchecks some events and press the "OK ", the lists will only shows checked events. If you uncheck the channels, the event list will filter out unchecked the channels.

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🗹 Power On	🗹 Chanı	1 4								
🗹 Sensor	🗹 Video	•	1	22	3	45	5	6	7	
🗹 User Logout	🗹 Expor	•t	8	9	10	11	12	13	14	
🗹 Import Configuration	🗹 Expor	t	15	16	17	18	19	20	21	
🗹 Change Date/Time	🗹 Chang	g€	22		2/1	กร	าร	212	70	
🗹 Set HDD Record Flag	🗹 Syste	m	~~~	23	245	25	20	20	20	
🗹 Set Admin Password	🗹 Write		29	30						
User				10	: 🛛	19):[<	56	\triangleright	
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	OK			0.0000						JF
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2-6 PTZ Operation

Set up the camera PTZ settings in advance (refer to 3-3.1). Enter the PTZ configuration page, PTZ control panel displays the camera PTZ setting. There is a red cross on the center of the screen. Move the mouse to the Red Cross and hold down the left mouse button to the preferred location of the screen. The DVR will move the camera to the preferred place by placing the preferred place to the center of the screen. On the screen to move in any direction. It can control the PTZ camera in the direction.



Rotate only for remote used



16:9 Display



4:3 Mode PTZ configuration

UTC Functions :

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Item	Description
۹	ZOOM. Press + / - or move the slider to adjust the zoom level.
	FOCUS. Press + / - or move the slider adjust the PTZ focus
8	IRIS. Press + / - or move the slider to adjust the PTZ iris
= /	Press left and right arrow keys to move the camera to the preset locations, and then press to set current camera location to default point.
	Press left and right arrow keys to move the camera to the preset locations, and then press to change the camera to next preset point.
Rotate Video	Make the display upside down

2-7 Zoom

In the digital zoom mode, users may use the mouse to move the red rectangle of the zoom area.



16:9 display zoom



4:3 display zoom P.S Can drag a small window

ltem	Description
4	Zoom-in the area specified by the red rectangle.
-	Zoom-out the area specified by the red rectangle.
\mathbb{V}	Exit zoom mode

2-8 Shortcut toolbar

Real-time monitoring mode, move your mouse over the window function column appears above its fast operation

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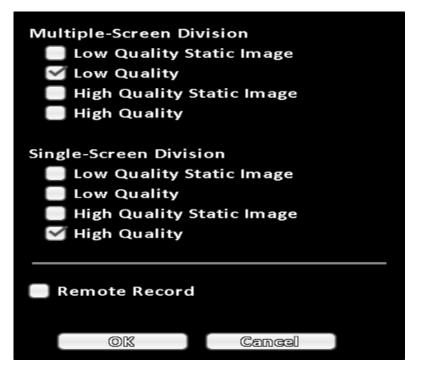
ICON	Description
a 6	User login / logout: Auto lock is used.
Û	System Information: The host model, version, IP location, MAC values and hard disk information.
43	Wide screen switching: Switch 4:3 / 16:9 monitor display.
	Screenshot.
Β	Turn on / off recording.
	Full screen.
°	Options: Change the PC side screen shots, video storage path.
	Network Video Quality: You can follow the PC network bandwidth, ad- just the image transfer traffic.
	Displacement Windows settings.
	Relays. The user can control the behavior of the relay on the DVR.

 \times recording function, full-screen, options, image quality network for remot e use of these four functions

 $\ensuremath{\mathbbmu}$ screenshots, video features, options, these three features are only avail able in

"iWatchDVR" use, IE 7/8/9 NOT support

2-8.1 network image quality



Option	Description
Low Quality Single Im-	Low quality static mode: insufficient bandwidth used for one
age	second about running 1 ~ 2FPS.
Low quality	Low quality Dynamic mode: According to the DVR recording settings.
High-quality	High-definition single image under static mode: insufficient bandwidth to use for one second about running 1 ~ 2FPS.
High-quality	High-definition Dynamic mode: According to the DVR recording settings.

※ image fluency: To all actual field-based network environment

2-8.2 Preference

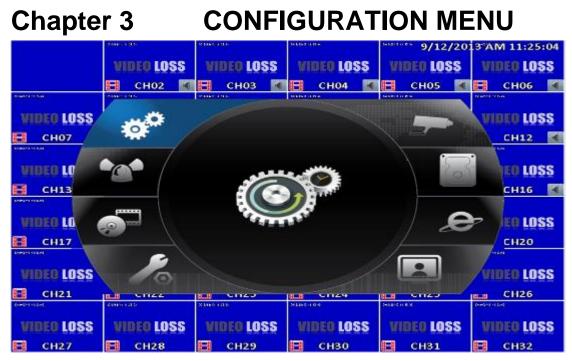


ltem	Description
Event	Prompt window displays the channel status -
OSD	Display time, HDD status, channel information, channel border.

2-8.4 Relay Setup

Relay1	Relay2	Relay3	Relay4
On	On	On	On
Off	î î î	î î î O	TTO .
Auto	Auto	Auto	Auto

Option	Description
Relay 1 ~ 4	Relay J Series x1, N Series x2, B Series x4.
Functional	open, close, automatically



PS. The initialization of new-installed HD is required before recording, please refer to "**UTILITY SETUP**" for detail.

3-1 Record Setup

Record Satur					
Record Mode:			ແລະແມ່ນ	ໂອກເວລາວໃນ ສາກວາ	
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		INGTRACE!	สสอาหส์		
Record	0	0			0
Resolution	(944:576)	944:576	944:576	944:576	944:376
FPS	(1 25)	(1 25)	(1 25)	(1 25)	(1 1)
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Post-Alerm		(1 0)			
Andia	0	0	0	0	0
	(initial contraction of the cont	ζ	ഭണങ	1	

ltem	Description
Record Mode	Continuous Record/ Schedule Record/ Stop Record

3-1.1 Continuous Record

_		Record S	and		
Record Mode:			Continu	louis Record	
	Condineous	s Marcord	Schedule R	පැනැත්	
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Record					
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Quality	(100)	(1100))	(1100)	(1 100)	10)
Audio		0	0		0
		Event Re	ගොල්		
Record					
Resolution	(92)4)2357/6	(94)432257/6	(94/4:257/6	(944:257/3	944.2576
FPS	(1 25)	(1 25)	(1 25)	(1 25)	1 1)
Quality	1 100)	0 100 0	1 100)	1 100)	1 10 >
Pro-Aleren			000		
Post-Alerm			0 0 0		
/\\mailin					
	ØX		Cancel]	

ltem	Description
Video	Click icon, it will go to the video setting menu of this channel (below). In settings menu, press it to save, press it to go back to the original video settings menu *1
Record	Enable / Disable recording for this channel
Resolution	Recording resolution selection *2
FPS	Select recording frame rate, from 1 to 30
Quality	Recording quality, from 10 to 100. The larger number means the better quality
Audio	Enable / Disable recording audio

Note 1: Channel Source is "HD signal" no function

3-1.1.1 Video Settings



16:9 display video settings

2013/09/12 11:56:25	4,968/981,568	9/12/2013 AM 11:56:26
WID	EO LI	ISS
Sharpness: Brightness: Contrast:		
Saturation:		
Valume: Val	СН01	K

4:3 display video settings

Item	Description
Sharpness	Adjust sharpness from 0 to 255
Brightness	Adjust brightness from 0 to 255
Contrast	Adjust contrast from 0 to 255
Saturation	Adjust saturation from 0 to 255
Hue	Adjust hue from 0 to 255
Volume	Adjust volume from 0 to 255

3-1.1.2 Event Recording

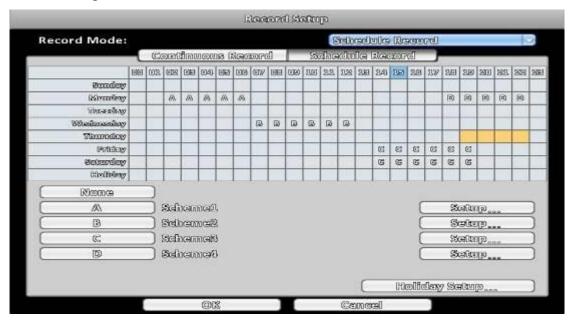
Item	Description
Record	Enable / Disable recording of a channel
Resolution	Recording resolution selection *2
FPS	Select recording frame rate from 1 to 30
Quality	Recording quality from 10 to 100. The larger number means the better quality
Pre-Alarm	Set the record seconds before the event, from 0 to 5.
Post-Alarm	Set the playback seconds after the event, from 0 to 100
Audio	Enable / Disable audio recording of event record of the specified channel.

Note 2: Different models have different resolution settings

Input Setting	Resolution		
NTSC (HD)	1920 x 1080	1280 x 720	640 x 360
NTSC (960H)	944 x 480	704 x 480	472 x 240
NTSC (D1)	704 x 480	704 x 240	352 x 240
PAL (HD)	1920 x 1080	1280 x 720	640 x 360
PAL (960H)	944 x 576	704 x 576	472 x 288
PAL (D1)	704 x 576	704 x 288	352 x 288

3-1.2 Schedule Recording

Schedule recording can configure recording time by days of a week and hour. With the A, B, C, D four settings, users can set different recording scheme according to different configuration needs. In the day and time grid map, select the schedule time zone, and then press A, B, C, D one of the buttons to specify the video settings.



3-1.2.1 Configuration

Record Setup					
Record Mode:			Schedule	Record	\sim
	Continuou	s Record	Schedule Rec	ord	a'
\triangleleft	CHO1	CH02	CHOS	СН04 >	>
		Continuous	Record		
Record				\checkmark	
Resolution	12802720	12302720	128033720 1	23011720	
FPS	15 🗅	15 🗅	30 0	30 D	
Quality	6 0	6 0	0 5 0 0	5 ▷	
Audio					
		Event Re	cord		
Record					
Resolution	128013720	123011720	944.33430 🕥 🤶	44.8480 🕗	
FPS	15 🗅	15 🗅	30 0	30 ▷	
Quality	6 0			5 ▷	
Pro-Alarm					
Post-Alarm					
Audio					
	OK		Cancel		

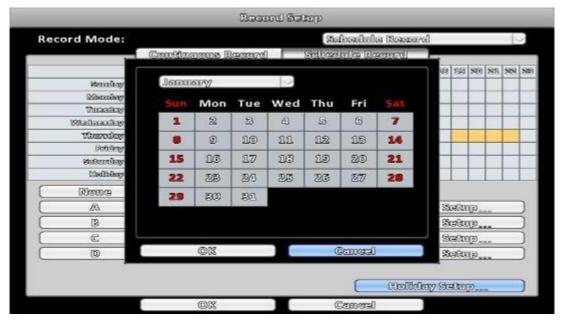
Item	Description	
Name	Change the recording name of the channel	
For the rest places refer to 2.1.1 Continuous Report		

For the rest, please refer to 3-1.1 Continuous Record

3-1.2.2 Holiday Configuration

The number of holiday is up to 50. When the time comes to the specified holidays, the DVR will start recording according to holiday configuration.

Since holidays are different by different country and region, users can setup holidays according to user needs.



3-2 Event Setup

3-2.1 Video Loss

istrant Salup						
Video Loss	Metion	Detection	Sansor		System	
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		State	D			
Emable	9		S		\bigcirc	
-		(Swarig Ma	maller			
Log	9					100
Event Record	(Disable 🖂) (Disabla 🖂) (Discide 🖂	Diseble) (Disabla	
Pagan	(Disable 🖂) (Disable 🖂) (Disable 🖂) (Disable) (Disable	3
Popup Channel	(CHO2) (CH022 😔) (CH028 🖂	(CH04) (Relative	9
Ruzzer	0	\bigcirc	0			
Reley	(Disable 🖂) (Disable 🖂) (Disable 🖂) (Disable) (Disable)
LPU72	(istaabla 🖂) (181666181) () (Waadda 🖂) (ගැනෙහි) () (Disabla	
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	្រាល	K .	Conness	ส		

3-2.1.1 Configuration

Item	Description
Enable	Enable / Disable video loss detection function

3-2.1.2 Event Handling

Item	Description	
Log	Write to event log when the video loss event happens.	
Event Record	Select channel for event recording when event occurs. The video setup corresponds to the "Configuration \rightarrow Recording Settings \rightarrow Event Video Recording" (refer to 3-1-1-2 Event Record)	
Рорир	In the live mode, if video loss of a channel is detected, it will pop up the channel full screen. You can specify a warning window display, 1: the main screen, 2: the second screen.*1	
Popup Channel	When an event occurs, pop up the specified channel.	
Buzzer	Specify the DVR behavior of whether to activate the buzzer when an event occurs.	
Relay	Play Specify the DVR behavior of whether to activate the relay when an event occurs.	
PTZ	Specify the DVR behavior of whether to change to the PTZ control mode to the specified channel when an event occurs.	
Go Preset	Moves the camera to the specified preset point when an event occurs.	
Resume Preset Moves the camera back to the specified preset point when an ever finished.		

*1 Only for Maya V2 Series

3-2.1.3 Receiver Setup

			Gitop	and Scattery				
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	108072							
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		0	003		Cancel			
Resu	me Preset (0		0		1 0		0)
	(20efi) co (Read	iver Setup					
			0065		Centeral			

Item	Description		
Enable	Specify whether the DVR sends e-mail notice to specified users when an event occurs.		
Admin / Users	Specify the receiver of e-mail notices		

3-2.2 Motion Detection

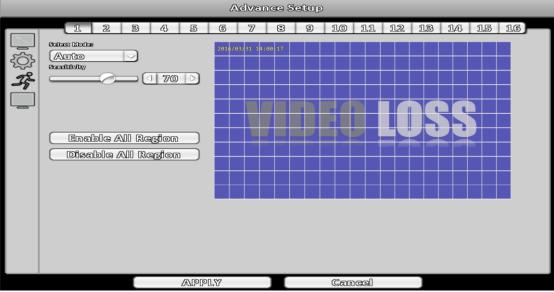
Þ	Event Setup				
	dao Loss	Motion	Detection	System	
\triangleleft	CHO1	CH02	CHOS	CH04	\triangleright
		Se	tup		
Enable					
Notification					
		Event	Handler		
Log					
Event Record	CHO1	CHO2	Chos	-) (CH04	🕗 (Disable 🖂
Popup	Disable	Disable	🖂 (Disable) (Disable) Disable 🖂
Popup Channel	CHO1	CHO2	Chos	CHO4	- Relative -
Buzzer					
PTZ	Disable	Disable	🕑 (Disable 🗠	🕗 (Disable 📐	🕗 Disable 🖂
Go Preset					
Resume Preset					
Mail to	Receiv	ver Setup) (Notif	fication Satup	
	0		Cano	cel	

3-2.2.1 Configuration

Item	Description
Enable	Enable / Disable the motion detection function of this channel
Sensitivity	The sensitivity value is from 0 to 100. The higher value means higher sensitivity.
Motion Area	Enter to setup motion detection area

3-2.2.1.1 Motion Area Setup

The motion detection has been divided into 22 x18 grids. The default detection area is f ull screen. The screen is marked in transparent for detection area and grey for disabled area of motion detection.



16:9 display

Item	Description
CH01~ CH32	Select Motion detection channel 。
Mask Mouse Selection	Switch between "select" and "deselect" for cursor-dragging function
Detect All Area	Select entire screen as detection area.
Mask All Area	Deselect entire detection area.
Apply to All	Apply the current settings to all channels
Exit	To leave and save settings
Close	Close and save the area settings menu.

3-2.2.2 Event Handling

Please refer to 3-2.1.2 Event Handling

3-2.2.3 Receiver Setup

Please refer to 3-2.1.3 Receiver Setup

3-2.3 Sensor

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Video Loss	Motio	state. And a state of the local division of	and a second sec	and the second s	System
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	0		Handler	0	0
Log					
Event Record	Dischla) (Dischie	🕑 (Disable	🕑 (Dischie	🔄 Diseble 🔄
மெருமு	(Disable) (Diseble	🕗 (Disable	🕗 (Dicable	🕗 (Disable 🕗
Popup Channel	(CHO1	-) (CH01	D) (CH01	1) (CH01	🕞 (Relative 🖂
Buzzar	0				
Reley	(Dischie) (Dischie) (Disable	Disable	Diseble D
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※ Each sensor name can be modified and remotely can enter various languages

3-2.3.1 Configuration

Item	Description	
Enable	Enable/Disable sensor	
Polarity	N.C: Sensor has not been triggered. When connected, sensor will be turned on	
Folanty	N.O: Sensor has been triggered. When connected, sensor status will be turned off	

3-2.3.2 Event Handling

Please refer to 3-2.1.2 Event Handling

3-2.3.3 Receiver Setup

Please refer to 3-2.1.3 Receiver Setup

3-2.4 System

When the system event occurs, give a notice or warning according to the settings of relay, buzzer, and receiver. If the buzzer box is checked, the buzzer continually beeps for only errors related to the video (such as hard drives cannot write or not install the hard drive). The buzzer does not beep when other system events, such as login, log out or boot, etc., occurs.

	Event Setup						
Window Loss	Mation Detection	Semeor?	System				
6	Elvend He	neller					
Buzzer Refey			Disable 🔽				
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	() XIQ	ഭണങ്ങി					

Item	Description			
Buzzer	Specify whether the buzzer beeps when a recording error occurs.			
Relay	Specify the relay to be Set when an event occurs.			

3-2.4.1 Receiver Setup

Please refer to 3-2.2.3 Receiver Setup.

3-3 Camera Setup

	Camera Setup						
1 2 3 4 5	6 7 8	9 10 11 12	13 14 15 16				
Mask							
Name:	CHO1						
DVR Mode IP Mode DUHD DVR Mode VR Mode VR Mode VR Mode Protocol: PT72 ID: Baud Rate:	 Apply to All UTC 	(Auto Pelco-D	 ✓ 1 19200 				
Advance Setup	Advance Setup						
	(E) 172						
	ok)	Cancal					

Please choose your camera mode.

3-3.1 DVR Mode

	Camera Setup					
1 2 3	4 5 6 7 8 9 10 11 12 13 14 15 16)					
🗌 Mask						
Namei	CHOL					
DVR Mode	Apply to All					
Video Fermati	Auto					
PTZ						
🗹 RS-485	🔵 ute					
🗹 Enabla						
Protocols	(Pelco-D					
PT77. NDa						
Baud Rate:	19200					
Advance So	nup OK Cancel					
ltem	Description					
Enable	Click the box to Enable/Disable PTZ function. Or to enable UTC for camera which support this function					
Protocol	Set up the protocol of PTZ cam. The supported protocol are:					
	PELCO-D PELCO-P Merit LiLin 1 Merit LiLin 2 SAMSUNG					
	LG-MultixE					
PTZ ID	Set up PTZ ID. The valid ID value is from 0 to 255.					
Baud Rate	Select Baud Rate of PTZ control protocol from 2400, 4800, 9600,19200					

3-3.2 IP Mode

Camera Setup						
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16						
Mask						
Name: CH01						
IP Mode Apply to All						
Camera Set:						
Protocol: ONVIF						
IPs						
Port:						
UID:						
User Name:						
Password:						
Advance Setup						
OK Cancel						

Item	Description
Remote Connection	It must be selected to active IP mode
Camera Set	Searching IP cam or DVR in the same segment of Network
Protocol	Select protocol of IP-based devices. ONVIF protocol is supported
IP	IP address of remote device
Port	Which port allocate in the IP address. Default is port 80 but you
	should change it to the correct one.
UID	P2P User ID number of remote device
User Name	User name of the remote device
Password	Password of the remote device

3-3.3 DUHD Mode

	Camera Setup						
🔵 Mask Name:	1234) Duhd Smp						
(DUHD	Apply to All						
Advance Satup							
	OK Ca	ncel					



Functions	Description				
Imaga	It allows you to modify Brightness, Contrast, Saturation and				
Image	Sharpness.				
Infrared Cutoff Filter	It allows you to switch B&W mode or color image.				
BLC	Backlight compensation.				
De Noise	It allows to reduce noise with live image.				
Exposure	It allows to change the shutter speed & iris of live image, the value				

	also means EV.
WDR	Wide Dynamic Range for image.
DIS	Digital Image Stabilization, the purpose is to reduce the blur image during vibrating of camera.
AWB	Auto wide balance of image
Defog	It allows you to get more clear view with fog environment.
Mirror Mode	User could reverse the image via this function.

3-4 Account Setup

You can set the user password and permissions of 10 user accounts (1 admin + 10 users). These different accounts gives users different permissions of DVR features.

3-4.1 Administrator

The default admin account and password is "admin" and "123456"

	10440/101 20411 b										
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	_	a	302	_	-		Cancer	-			

Item	Description
Enable	Check to activate the user's account.
Expire	Set the expire date of the user account
Name	Set up the username
Password	Set up the password. The password can be mixed of letters and numbers and is case-sensitive.
e-Mail	Set up user email

3-4.2 Other Users

		Account	AL REAL	F)		
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C) crowth	genzea	C StyreGenera		C) UNIX (3 Callery	
	10	0/12	-	Canoca	al 1	

Item	Description
Enable	Check to activate the user's account.
Expire	Set the expiration date of the user account
Name	Set up username
Password	Set up the password. The password can be mixed of letters and numbers and is case-sensitive.
e-Mail	Set up user email

3-4.2.1 Permission

The Account Setup is set to provide individual user role-based permissions, including access to Setup menu, Network operation, PTZ function, Playback, Utility, Backup, Password expiration date and Mask on specific channels while playing back.

Item	Description					
Console Playback	Allow the permissions to play	back channel in local side				
Remote Live & Play- back	Allow the permissions to live side	monitor/playback channel in remote				
Console	Allows the permissions to ope Backup, Configure, System, I	erate in local side (Live, Playback, PTZ)				
Remote	Allow the permissions to operate in remote side (Live, Playback, Backup, Configure, System, PTZ)					
Consola						
	Playback	📄 Backup				
🗌 Confligure	System	📄 PTZ & Relay				
🗹 Remote						
Litve	Playback Backup					
Configure	System	📄 PTZ & Relay				

* use of local, remote permissions, respectively, the option must be checked, otherwise it will not work

3-5 Network Setup

	Netwo	rk Setup		
🗌 Bandwidth Limite	ේ		8)(Mbps 🖂	
DHCP	Static IP	PPPoe	36	וו
🗹 Enable				
028		192.168.1.14		
HTTP	DDNS R	ITP Mail Setup	P FTP	٦
🗹 Enable				
Ports				
HealthCare			Enable	
Apply Key:				
			Apply	
	ok	Cancel		

Item	Description
DHCP	The DVR retrieves from a DHCP server automatically.
Static IP	Set up a Static IP address of the DVR.
PPPoE	Set up the username and password for PPPoE connection.
3G Setup	Set up the login configuration of 3G connection
HTTP Setup	Set up the HTTP configuration for remote access.
DDNS	Set up the DDNS configuration.
NTP	Set up the NTP configuration
Mail Setup	Set up the mail sending configuration
FTP Setup	Set up the FTP configuration

3-5.1 Networking Setup

There are three ways to connect to the network.

3-5.1.1 DHCP Setup

When DHCP is selected, IP address will be assigned by DHCP server automatically. Notice: The IP address shown in this page is not the IP address obtained from the DHCP server. The IP obtained from the DHCP server shown in the System Information Page.

_	Networ	k Setup	
🔵 Bandwidth Lir	nited		8) Mbps 🖂
DHCP	Static IP	PPPoe	36
🗹 Enable			
IP:		192.168.1.14	
(HTTP	DDNS N	rp Mail Setup	D FTP
🗹 Enabla			
Port:			
HealthCare			Enable
Apply Kay:			10
			Apply
	0K	Cancel	

3-5.1.2 Static IP Setup

Setup Static IP for network connection, the following information is required.

Bandwidth Limi	ted				3	Ę	3	> 18	Nippe	
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🗹 Bneble		191119	>	020		<u>119</u>)

ltem	Description
Enable	Enable / Disable Static IP function 。
IP	Enter the static IP address provided by ISP
Subnet Mask	Enter IP address of Subnet Mask provided by ISP

Gateway	Enter IP address of the Gateway provided by ISP
DNS	Enter the DNS address provided by ISP.
	(Note: The correct DNS address must be entered for DDNS function).

3-5.1.3 PPPoE Setup

Select PPPoE for network connection, the following information is required.

	Networ	k Setup	
Bandwidth Limite DHCP	d Static IP	PPPOE	36) Mbps 🗸
🗌 Enable			
User:			
Password:			
НТТР	DDNS N	TP Mail Setup	FTP
🗹 Enable			
Ports			
HealthCare			Enable
Apply Key:			
			Apply
	0K	Cancel	

Item	Description
Enable	Enable / Disable PPPoE function 。
User	Enter user name provided by ISP
Password	Enter password provided by ISP

3-5.1.4 3G Setup

Using the USB 3G dongle to access the network

PS: only specific chip of 3G dongle is supported and the 3G dial-up features may not be compatible to some ISPs.

_	Networ	k Setup	_
🔵 Bandwidth Lin	nittad	(1) 8) Mbps 🗸
DHCP	Static IP	PPPOE	36
🗌 Enable			
Dial Number:			
PINE			
APN:			
User:			
Password:			
(HTTP	DDNS N	TP Mail Setup	FTP
🗹 Enable			0
Port:			
HealthCare			Enable
Apply Key:			
			Apply
	0K	Cancel	

ltem	Description
Enable	Enable / Disable 3G function.
Dial Number	Dial-up Number, offer by the ISP
PIN	Enter SIM card password
APN	Enter "internet" or other value offered by the ISP.
User	Enter ISP username
Password	Enter ISP password

3-5.1.5 Bandwidth Limited

	Neuwe	ris Setup		
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Western		(i .
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🗹 Enable	01%	Gennez		

Option	Description
Bandwidth	Range : 1~9999
Limited	Kbps 🕥 Mbps

3-5.2 HTTP Setup

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	(2)(2)	Comercal	1		
Item		Descriptio	on		

Item	Description
Enable	Check to enable HTTP server. Users can remotely access into the DVR over the network if the HTTP function is activated.
Port	Enter a valid port value from 1 up to 65535. The default value is 80.

3-5.3 DDNS Setup

	atar00	work Soon	12)			
Bandwidth Lim	ited		4	8	eogoditei [19
RINGS	දිගියෙහිය ගින		1212120013		2395)
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Posewouds	

Item	Description
Enable	Enable / Disable DDNS function.
Server	Enter the registered DDNS Server: ez- dns.com idvr.net dyndns.org
	ez- dns.com < i-dvr.net Supports automatic assignment DDNS
	When these two DDNS service,
	The system will automatically bring up to C + DVR Mac Address last six yards at the beginning of a host site,
	Such as the Mac end of the six yards of FD5CCD,
	Then bring out the host site at CFD5CCD.i-dvr.net or CFD5CCD.ez-dns.com
Host	Enter the full DDNS address.
	(Including username + Server)
	If the user name is h.264 and you choose i-dvr as your server, you should
	enter: h.264.i-dvr.net
User	Enter user name.
Password	Enter password.
*For more	detailed I-DVR.NET operation instruction, please refer to appendix I > 1

3-5.4 NTP Setup

Setup he feature of network time synchronization.

	003	twork Setup	8)			
Bandwidth Lin	nited		(ch)	8	න අග් වැට	1
A DHICH	Static IP	R	PPoE	2	26]
elation 🕑						
05500	DDNS	NUP	Mail Seta			_
CUTUP	LULI VILLA V	UKIN IP	UNARELU CAMUN	10	(PU(P	,
Actionmenticeal		DOM IP	WARED CARGO	10	(PULP	,
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	ly Synchroniza		nëst.gov	10		
🕑 Autometical Wpolete Intervel	ly Synchroniza ((Neurs)):			19		
Autometical Update Interval	ly Synchroniza ((Neurs)):	(floomer		129		
Autometical Update Interval	ly Synchroniza ((Neurs)):	(floomer		19		

ltem	Description
Automatically Synchro- nize	Check to enable DVR automatic synchronization function when rebooting
Update Interval (Hours)	Setup interval for time synchronization
Server	Setup time server address
Update Now	Update the time information from the NTP server immediately.

3-5.5 Mail Setup

The Mail Setup tab controls the email-sending configuration when the DVR needs to send e-mail to specified users.

		Network Se	and the second sec	_		
Bandwidth Lim	ited			8	egdM (1
DHCP	Stat	16 IP	PPPOE		34)
🕑 Finalida						
Units.	0101315	(Shrip	Matil Setu	10	লোগ	
	(B)(B)(M)(S)	intro 2	Mail Solu	(IP)	(Art9	,
Hitrip Stable SMTP Servers	[5]5(A)5	פוזוזא (Mafi Son)
Sociala 💟	000008	((Mail Son	19)
🕑 Euclile SMTP Server:	0.000		Mafil Sote			

Item	Description
Enable	Check the box to enable/disable E-mail Notification function
SMTP Server	Set up SMTP Server name and port
User	Enter to set up the username.
Password	Enter to set up the password.
Sender's e-Mail	Enter to set up e-mail address of the sender.

3-5.6 FTP Setup

	R	ietwork Sem	100			
Bandwidth Lim	ited		(d) ==	8) Milliop	3 0
DHGP	නැතැය් ෙ	P	ছাইছিত্তাই		206	
🗹 Enable						
C REALES	DDMS	00000	Nieil Set	Up	PUP	
🗹 Enalda						
Sciovaciii					21	\square
00666778						
Pesswords						
a manager and man						
Directorys						

ltem	Description
Enable	Check the box to enable/disable FTP function
Server	Set up FTP Server name and port
User	Enter to set up the username.
Password	Enter to set up the password.
Directory	Upload FTP directory path

3-6 Storage Setup

3-6.1 HDD Setup

Model	Status	Attribute	Free/Capacity
SIE00/1000-18514	Recording	Overwriteble	2.863/465.868

 $\,\,$ Click the status bar to change the attributes of the hard disk

🕐 Wideo Preservetio	a ((CCIADQUE763))		24 0
Model SI/S00V//000-11831/4	Status Recording	Attribute ©verwritable	Free/Capacity 2.3GB/465.8GB
FORMER			
Rennet Overwritzikie Writzikie Need-Only			silicon -power 8.768/8.769
			000 000 000 000
EVID-RW Models		19100613	AR DO-RIVE BEER-2007M
IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
NARATE TATORE			LOXVLD-L:

Item	Description
Video Preservation	Setup the video preservation period. Recorded video will be de-
(Hours)	leted automatically after expiry of preservation period.
Model	Display HDD model
Status	Display HDD status (Recording/Error)
Attribute	Display HDD Attribute (Overwritable/Writable/Read-Only)
Free/Capacity	Display HDD capacity (Free/Capacity)
	Check the hard disk drive and press "Format", there are four op- tions to set the HDD.
Format	Start Format HDD DVR. Status bar "successful" HDD initialization! Enter the menu, there will be all of the hard disk information (mod- el, capacity).
Overwritable	Set the hard disk to be replicated state will start to overwrite the hard disk is full.
Writable	Set the hard disk as writable state, after the hard disk is full stop writing.
Read-Only	Set the hard disk is read-only, read-only cannot be written to the hard disk.

3-6.2 USB Flash Derive Setup

USB Flash Drive Model: Free/Capacity:

silicon -power 8.7CE/8.7CB

Item	Description
Model	Display USB flash drive model
Free/Capacity	Display USB flash drive capacity (Free/Capacity)

3-6.3 DVD-RW Setup

PIONEER BD-RW EDR-207M
evid-r
4.4CB/4.4CB

Item	Description
Model	Display DVR-RW model
Media Type	Display disk type
Free/Capacity	Display DVR-RW capacity (Free/Capacity)

3-7 System Setup

RHD Series:

	Sys	tam Satup	
DVR Name:		IRIHID-MOUSIN	
Language:		Englislo	2
Video Format Dete	ection:		RITEC.
Augo Lock			
🗌 Encloig			
ිග්රිකාශනාගයි (ද්දිනය			() 600 ()
Accisico Islandi	MTSC		
	PAL		
Byery Day			D # (1 08 D)
🗌 Bvary Wei	Jacobell	. Close	8 1 003 >
Data/Tim	a Saturn	Dual Monitor:	[HDMI(1)] VGA(2)
Manitar		1	
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040	uy		
	ØK	Gencel	1

HHD Series

	Style	tam Satup	
DVR Name:		IDWIR 200CH Hy	ଭମ୍ପାଣୀ (ମନ୍ଦର
Language:		Englislo	2
Video Format Detec	tion:		PAL
Augo Lock			
🗌 Enebie			
Tifimacoutt (Stac			(600)
Autoo Rofe	NTSC		
	PAL		
		10 1 1 <u>10 10 10 10 10 10 10 10 10 10 10 10 10 1</u>	D∎ (1 58 D)
C Every Wee	Rebeat	Glose	
C) Boarty opta	_		
Data/Tima	Sciup	Dual Monitor:	HDRI(1) V&A(2)
s resignely	and and a second se		
linpert So	ûnp		
CO C	2		
	ØX	Cancel	

960H Series

	stye	tam Satup	
DVR Name:		10W1R-821.9	
Language:		Constitutio	6
Video Format Dete	ction:		PAL SCON
Augo Lock			
🗌 Enchic			
Timeout (Kee			0 60)
/AVUGGO (නිශ්ලි	NTSC	NTSC 960H	
	PAL	PAL 960H	
			2 8 0 06 2
	Rebowt	Close	
🗌 Every We	-		
Deŭa/Muno	e Zaimb"""	Dual Monitor:	Duplicate 🖂
Nonther	Scinp		
input S	stup		
Quality	\$7		
	ØK	Cancel	

Item	Description
DVR Name	The name of DVR to be shown while users login from remote site.
Language	Specify the OSD language.
Video Format Detec-	Specify the format of video signal (auto-detect, NTSC, PAL). The
tion	configuration requires DVR reboot to take effect

3-7.1 Auto Lock

Item	Description
Enable	Enable / Disable Auto Lock
Timeout (Seconds)	Set the number of seconds to wait. It there is no action, the panel will be automatically locked and the DVR logs out current user. When DVR logs out automatically, it only supports basic opera- tions, such as picture freezing, picture, zoom, auto switch channel, screen-split. To enter the setup menu, search menu, backup menu, status query, playback, and other operations, users need to input the username and password to login in. Available timeout value is from 10 to 9999 seconds

3-7.2 Auto Reboot

ltem	Description
Disable	Enable / Disable Auto Reboot.
Every day	Setup the time of daily auto-reboot.
Every Week	Setup the time of weekly auto-reboot.

3-7.3 Date/Time Setup

	27	recent recurp	
DVR Name:		1538/13)-802.31.89	
Time Format:		(PIM) (0229413182941	2
Date Format:		91/75122/722001283	
Utoocerecence			
(Carro) (100		2	
📄 wayifisha sawing vi	erona		
Change Date as	nd Minoa		
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Change Dette on Octoby	ØK	Camcal	

Item	Description
Hour Format	12HOURS/ 24HOURS
Date Format	MM-DD-YY/DD-MM-YY/YY-MM-DD

3-7.3.1 Time zone

ltem	Description
Time Zone Setup	Set up the time zone of the DVR, from GMT - 13 \sim GMT+ 13 $_{\circ}$
Daylight Saving Time	Enable / Disable Daylight Saving Time

3-7.3.2 Daylight Saving Time Setup

		System Setup	5			
OVR Name:		(1978)	712-822139			
Time Format:		D RAPI	2:41:24			1
Date Format:		D//12/	72001.B			5
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Guodluoge						
(Jennery		🕒 (Somoli	w 🖂	(ANAMI	(m)	D
Change Da	ice cond Thoma _{ese}					
	20		Cennecal			
WAR	1002					
	0003		Cameel			

Item	Description
Beginning	Setup the beginning time of Daylight Saving Time.
Ending	Setup the ending time of Daylight Saving Time.

3-7.3.3 Change Date and Time

Setup date and time of the DVR.

			Syst	2000 Sea(up			
DVR Name:					DWR-2	213		
Time Format Date Format:	Saph	নলাভিবেল		2		1 2001	a ()	1
Timaza		Mon	Tue	Wed	Thu	Fri		
Citatina 🕗	1	2	8	4	5	G	7	
🗹 (මහලා)ලිලබාද ස		٢	1,0	11	12	112	14	
Desimatas	15	1.G	A7/	18	I.D	2200	21	
(Jennery	22	2223	22/43	2245	22(5	227/	28	
Encollings	29	30						
(Jammary								
Changa	1	14	: 0	87	: 0	25	D)	
		210			Q	angel		
04	160y		_					
		ØK		1	C	kancel	(

3-7.4 Monitor Setup

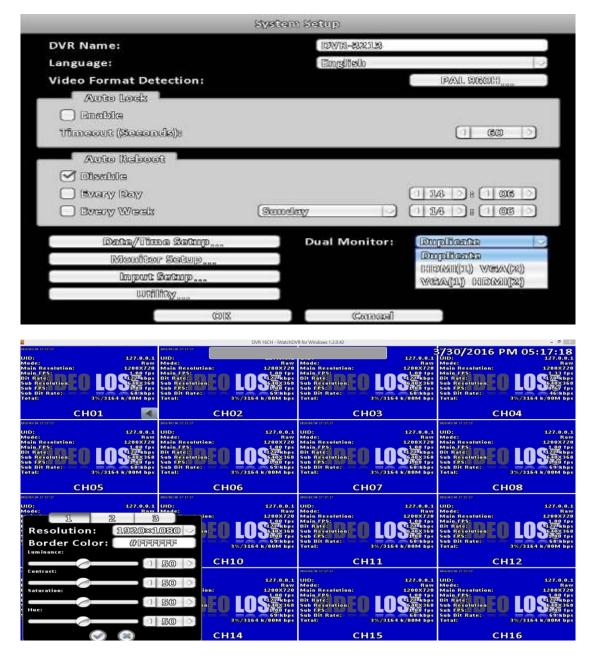
This feature is only support "Maya v2" series models.

Users have to decide which one is the main screen, which is the second screen. In the setting can be used when there are three configurations.

In duplicate mode, both monitors display the same content.

In the HDMI (1) VGA (2) mode, HDMI will be the screen 1, VGA will be the screen 2. In VGA (1) HDMI (2) VGA mode, VGA will be the screen 1, HDMI will be the screen 2. BNC output terminals are the same as with the contents of a screen 1.

Screen 1 and Screen 2 output can be set separately in the upper left corner of the scr een will show the current number.



Monitor setup

ltem	Description
1、2	set the main screen (1), the second screen (2) screen display setup menu
Resolution	selection screen resolution
Border Color	Set the color of border
Luminance	Setting brightness, from 0 to 100.
Contract	Setting screen display color contrast, from 0 to 100.
Saturation	Setting screen display color saturation from 0 to 100.
Hue	Tone color tone setting screen displayed from 0 to 100

Administrators can set up two separate configuration screen, you can display a live view screen contents, and another replay content. When managers are controlling them one screen, in the upper left corner of CH1 have a mouse icon appears. To switch between the two screens, you can press the shortcut bar dual screen switching button.

10		άθΦ	009	5/29/20	3 PM 04:11:27
	VIDEO LOSS	VIDEO LOSS	Snapshot	VIDEO LOSS	VIDEO LOSS
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			A an a second		
VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
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an and a second second				and the second s	
VIDEO LOSS	VIDEO LOSS	N		VIDEO LOSS	VIDEO LOSS
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		AINTO	LUGO		
VIDEO LOSS	WIDEO LOSS			VIDEO LOSS	VIDEO LOSS
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VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
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NUMBER OF STREET	and a second second second		Construction of the second		
VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
🗄 СН27 【	🗄 СН28 🚺	🗄 СН29 【	🗄 СНЗО 🚺	🗄 СНЗ1 🚺	🗄 СНЗ2 🌠

3-7.5 Input Setup

The Input Setup allows user's setup input device (Key Tone, Remote control, Panel, Mouse, Keyboard, Touch screen).

LR	Panal	Mouse	Kayboard	Touch Sarcen	
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C Teat					
	ey:				
🗌 Test	57				

Item	Description
Key Tone	Enable / Disable Key Tone.

3-7.5.1 Remote Control Setup

UR	Pamal	Moonsa	13cay/boxerrol	Touch Saraan
nabla				
96				0.1000
				0, 1900
				il. DCCO1
Test				22. 00002
				5. 1005
Pressed Ka	3 0/8			4. 1002

ltem	Description
Enable	Enable / Disable remote control.
IR ID	Default ID is 0. DVR is controlled by standard remote control; For one to many remote control, remote control on the number corresponding to the DVR numbers (DVR1 \rightarrow IC01, DVR2 \rightarrow IC02).
Test	Enable / Disable test function.
Pressed Key	Display pressed key information.



	UR	Panel	Mouse	Keyboard	Touch Screen
01	යෙහ				
	asacadi (Ko	3.Y/H			

Item	Description	
Test	Enable / Disable panel button test function.	
Press Key	Display information of the pressed key.	

3-7.5.3 Mouse Setup

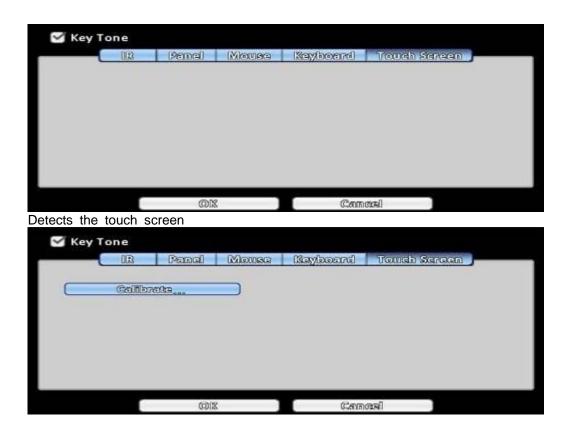
	IR	Panel	Mouse.	Keyboard	'l'ouch Sarcan
ചന്തല്ല			_		
		Øß	,	്രണ	ത്തി

ltem	Description
Speed	Setup the mouse cursor speed. The right side of the slider means f aster mouse speed. (Only valid for local configuration)

RS 4635 ID:		() a ()
RS-4135 Benudrenkas		(19200 🖂
likaydooraade	[FUNIE_CIX_1023	0
Tost		
Prossod Kays		

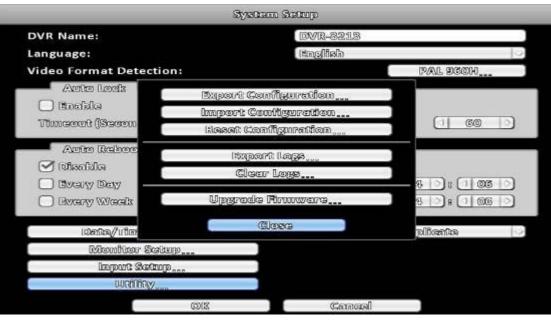
Item	Description	
RS-485 ID	RS-485 ID, valid values range from 1 to 64	
RS-485 Baud rate	RS-485 Baud rate from 2400, 4800, 9600, 19200	
Keyboard	Select PTZ Keyboard	
Test	Enable / Disable keyboard test function	
Press Key	Display press key information	

3-7.5.5 Touch Screen Setup



Users can calibrate the touch screen which needs recalibration.

3-7.6 Utility Setup



Item	Description	
Export Configuration	Export DVR configuration to a USB flash drive or a remote PC.	
Import Configuration	Import configuration from a USB flash drive or a remote PC to DVR.	
Reset Configuration	Reset system configuration.	
Export Logs	Save DVR system log to a USB flash drive or a remote PC.	
Clear Logs	Clear all DVR system log.	
	Upgrade DVR firmware through a USB drive.	
Upgrade Firmware	Please stop recording and backup DVR configuration before up-	
	grading System will reboot automatically when the upgrade is done.	

3-7.6.1 Export Configuration

There are several options for target storage of DVR configuration.

a. Export to a USB Flash Drive: The default filename is "dvr.cfg"

Export Configuration
Export to USB Flash Drive
Save as

File Name:	dur			
File Type:	Config Files ((°.efg)		\sim	
	ØK	Cancel		

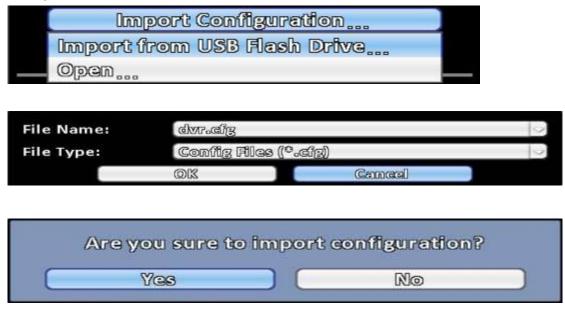
Ex	port configuration succ	Sess
	(OK)

b. Save *.cfg as PC

Export Configuration	
Export to USB Flash Drive	
Save as	-

3-7.6.2 Import Configuration

Import configuration to the DVR from a USB drive or a remote computer. a. Import from USB Flash Drive: Import the configuration from a USB flash drive.





b. Open *.cfg from PC



3-7.6.3 Reset Configuration

Reset the DVR to default settings.

	Bysican	Scatterip		
DVR Name:		107V/10-832231.83		
Language:		Googlitah		N.Y
Video Format Detectio	on:		PAL DECH.	
Auron Londz	lizzport confi	iguradion		
🗌 Enabla	linngvoorfit රොහැක්?	ස්ලාගයනරස්සාන		
Timeout (Seam	ගිනුවෙට ගිනාවේ	auration		D
Auto Br Are y Disable Disary Dep Divary Week	Yes Yes Upgrade R	system configurati No rmware		11111
Detta//Tim	Glo	999	piliante	5
Monitor Sec	up _{asa}			
input Setu	Doon			
WORTH W				
	0002	Camaral		

Success	to reset system configuration
(OK

3-7.6.4 Export Logs

a. Export to USB Flash Drive: Export logs to a USB flash drive. The default file name is "log.csv"

Export to Save as	Export Logs USB Flash Dri		
File Name: File Type:	log CSV Filgs ((°.czv))		
	No	Cancel	
	Export lo	gs success	
		DK)	

b. Save *.csv as PC



3-7.6.5 Clear Logs

Clear the system logs.

	System Schup			
DVR Name:	DVR-5218	DVR-5215		
Language:	14කුල්ට්බේන	glish 🗸		
Video Format Detection:		PAL 900H		
Anto Lock Ducide Timeout (Secon	Expert Configuration			
	Import Configuration			
	සමමෙම යනත්වියොතරවන			
ANUIDED EX	Are you sure to clear system logs	57 C		
🗹 Disabla 🔄	Yes) (No			
🗌 Every Dey				
📄 (Avery Weeks	Upgrade Firmware			
Deta/Thr	Glass	elicate 🔍		
Montter 2	educp			
 ගලගැ සින්	and and a second			
Odiba	7			
	OK Cancel			

Clear system logs success				
(<u> </u>			

System Logs					
Criteria			0		
Date/Time 2018/09/12 15:59:07	Event Glaar Loge	User/Details [admin]			
			_		
			-		
			-		
	ଆରନ୍ୟ				

3-7.6.6 Upgrade Firmware

Notice! DO NOT TURN OFF POWER OR UNPLUG USB DEVICE DURING THE UPGRADE because that may cause incomplete firmware upgrade and damage the DVR.

a. Upgrade from USB Flash Drive...: Choose the firmware from USB flash drive to upgrade





b. Upgrade from PC : Choose the firmware from PC



3-8 System Information

Systam	angawanan	
		BRICH (PRO ((IPAUL)
		2.0556_20130908
		11222-11053-11000-11228
		00:17:4R:05:05:85
		Continuous Record
Status Recording	Attribute Overwritable	Free/Capacity 13:9GB/931.5GB
	(T. Informetion
	Status	Recording Overwriteble

3-8.1 DVR Information

ltem	Description
Model	DVR model name and video type
Version	DVR firmware version

3-8.2 Network Information

Item	Description
IP	DVR IP address If there is no network connection, it will show "Network is not con- nected.
MAC	The DVR MAC address

3-8.3 HDD Information

Item	Description
Recording Scheme	Display installed HDD recording type
Model	Display installed HDD model
Status	Display installed HDD recording status
Attribute	Display installed HDD attribute (Overwritable/Writable/Read-Only)
Capacity	Display installed HDD capacity (Free/Capacity)

3-8.4 S.M.A.R.T Information

	System II	NOVING CONTRACTOR		
Rivelats			ezch pro () p	ALD
Wereforme			2.01666 200.90	
NGC WEIGHT				
0098			192.168.100	1223
MARE			00:17:47:000:00	BBE
HOD				
Recording Schemer			Continuous Rec	Bawas
Model Stat	ording	Attribute Overwritable	Free/Capacit 13.868/931.56	
	tet fan de ser de s			
	_			
		SMAR	T. Information	
	(3	089		
ID	Value/V	Vorst/Threshold	Raw	
ID 01. Raw Read Error Rate	Value/V	Norst/Threshold 116/99/6	Raw 117253968	
01. Rew Reed Error Refe	Value/V			
01 Raw Reed Error Refe 28 Spin Up Time	Value/V	116 // 99 // 6 97 // 97 // 0	117223968	
01. Rew Reed Error Refe		113 / 99 / 3 97 / 97 / 0 100 / 100 / 20	1172289963 ©	
01. Raw Read Error Rate 28 Spin Up Time 34 Start/Stop Count		113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 10	117222968 © S	
01. Row Reed Error Refe 28 Spin Up Time 04 Start/Stop Count 25 Reellogenad Sector Count		113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10	<u>117288968</u> 0 8 0	
01. Row Reed Error Refe 28 Spin Up Time 04 Stert/Stop Count 35 Resilleerted Sector Count 37 Seek Error Refe 39 Power-On Hours Count		116 / 99 / 6 97 / 97 / 0 100 / 100 / 20 100 / 100 / 10 100 / 100 / 10 10 / 30 76 / 38 / 98 / 0	117258968 0 3 0 46952351	
01. Rew Reed Error Refe 05. Spin Up Time 04. Starty/Stop Count 05. Realifected Sector Count 07. Seek Error Refe 09. Pewer-On Hours Count 09. Pewer-On Hours Count 04. Spin-up Refry Count		116 / 99 / 6 97 / 97 / 0 100 / 100 / 20 100 / 100 / 10 100 / 100 / 10 76 / 60 / 90 98 / 98 / 0 100 / 100 / 97	117255963 0 3 0 46952851 2533	
01. Rety Reed Entor Refr 05. Spin Up Time 04. Starty/Stop Count 05. Realiferated Sector Count 07. Seek Entor Rate 09. Petror Rate 09. Petror-On Heatry Count 04. Spin-up Retry Count 06. Petror Cycle Count		113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 10 100 / 100 / 10 93 / 93 / 0 100 / 100 / 97 100 / 100 / 20	117255963 0 3 0 46952551 2563 0 8	
01. Rew Reed Error Refe 05. Spin Up Time 04. Starty/Stop Count 05. Realifected Sector Count 07. Seek Error Refe 09. Pewer-On Hours Count 09. Pewer-On Hours Count 04. Spin-up Refry Count		116 / 99 / 6 97 / 97 / 0 100 / 100 / 20 100 / 100 / 10 100 / 100 / 10 76 / 60 / 90 98 / 98 / 0 100 / 100 / 97	117255963 0 3 0 46952551 2563 0 8	
01. Rety Reed Entor Rain 05. Spin Up Time 04. Starty/Stop Count 05. Realiferated Sector Count 07. Seek Error Rain 09. Petror Rain 09. Petror-On Heatry Count 04. Spin-up Reiny Count 04. Spin-up Reiny Count 05. Petror Gyele Count 37. Unkerva	ξ	113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10 93 / 93 / 0 100 / 100 / 97 100 / 100 / 97 100 / 100 / 20 30 / 0 / 1	117255963 0 3 0 46952551 2568 0 8 40	
01. Rety Reed Entor Rain 05. Spin Up Time 04. Starty/Stop Count 05. Realiferated Sector Count 07. Seek Error Rain 09. Petror Rain 09. Petror-On Heatry Count 04. Spin-up Reiny Count 04. Spin-up Reiny Count 05. Petror Gyele Count 37. Unkerva		113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10 93 / 93 / 0 100 / 100 / 97 100 / 100 / 97 100 / 100 / 20 30 / 0 / 1	117255963 0 3 0 46952551 2568 0 8 40	
01. Rety Reed Entor Rain 05. Spin Up Time 04. Starty/Stop Count 05. Realiferated Sector Count 07. Seek Error Rain 09. Petror Rain 09. Petror-On Heatry Count 04. Spin-up Reiny Count 04. Spin-up Reiny Count 05. Petror Gyele Count 37. Unkerva	ξ	113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10 93 / 93 / 0 100 / 100 / 97 100 / 100 / 97 100 / 100 / 20 30 / 0 / 1	117255963 0 3 0 46952551 2568 0 8 40	
01. Rety Reed Entor Rain 05. Spin Up Time 04. Starty/Stop Count 05. Realiferated Sector Count 07. Seek Error Rain 09. Petror Rain 09. Petror-On Heatry Count 04. Spin-up Reiny Count 04. Spin-up Reiny Count 05. Petror Gyele Count 37. Unkerva	ξ	113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10 93 / 93 / 0 100 / 100 / 97 100 / 100 / 97 100 / 100 / 20 30 / 0 / 1	117255963 0 3 0 46952551 2568 0 8 40	
01. Rety Reed Entor Rain 05. Spin Up Time 04. Starty/Stop Count 05. Realiferated Sector Count 07. Seek Error Rain 09. Petror Rain 09. Petror-On Heatry Count 04. Spin-up Reiny Count 04. Spin-up Reiny Count 05. Petror Gyele Count 37. Unkerva	t (2)a	113 / 99 / 3 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10 98 / 98 / 0 100 / 100 / 97 100 / 100 / 97 100 / 100 / 20 30 / 0	117255963 0 3 0 46952551 2568 0 8 40	
01. Rev. Reed Error Refe 05. Spin Up Time 04. Starty/Stop Count 05. Reallocattad Sector Count 07. Seek Error Refe 08. Pewar-On Hours Count 04. Spin-up Reby Count 06. Pewar Gydle Count 07. Unkewn 08. Unkewn 08. Unkewn	t (2)a	116 / 99 / 6 97 / 97 / 0 100 / 100 / 20 100 / 100 / 20 100 / 100 / 10 98 / 98 / 0 100 / 100 / 97 100 / 100 / 97 100 / 100 / 99 38	1177255963 0 3 0 46957251 2593 0 3 40 0 0	
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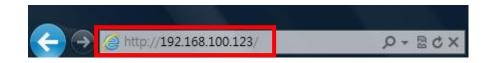
REMOTE SOFTWARE INSTALLATION and SETUP

The DVR allows users remotely access and control the DVR from a PC by \lceil iWatchDVR \rfloor or IE v6.0 or above.

p.s. The DVR currently supports Windows XP SP2 or above and Windows Vista, Windows 7.

3-9 Application Software Connection

Step 1 : Enter the IP address of DVR in IE browser.



Step 2: Windows as below will show up. Please enter the user name and password. Default user name and password is **admin/123456**. Other related setup about user account and password, please check the section **"Account Setup**."

Windows Security
The server 192.168.100.123 at DVR requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
admin •••••• Image: Remember my credentials
OK Cancel

Step 3 : Click on the link "iWatchDVR for Windows XP/Vista/7" to start downloading



Step 4 : The program can be run directly, or save the program to the remote PC and execute later. If you choose to run the software, Start window will be shown up. Please enter information of login DVR: IP, Port, Username and Password.

Do you want to run or	save iWatchDVR.exe (399 KB) from 192.168.100.123 ?	×
		<u>R</u> un <u>S</u> av	e ▼ <u>C</u> ancel
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		Land and Land	
	Host:	DVR-3213 192,168,100,123	
	Port:	80	
	1403.0003		
	User:	admin	
	Password:	•••••	
		Connect	
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E (VaschOvit for Workloss 1 2 0 40	****	admin@192.168.100.56:80	in a day and say
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		admin@192.168.100.55:80	
		admin@192.168.100.54:80	
	48 - 95	admin@192.168.100.53:80	
	Host:	admin@192.168.100.52:80	
	Port:	admin@192.168.100.33:80	
	User:	admin@192.168.3.232:80	
Concerns of the second s	Password:	admin@192,168.3.247:80	
	Password:	admin@192.168.3.246:80	
		admin@00:17:4F:0B:A2:D2	
		admin@00:17:4F:0B:A2:E2	
		DVR 1CH user1@192.168.3.247:80	Contraction of the
		Clear	The second second
		DVR 1CH 00:17:10:00:80:90 192.168.3.11:80 -	

The drop-down menu can be used to record IP address. Press "Clear" to clear IP address.

Step 5 : You've logged into the DVR

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3-10 IE Connection

Step 1 : Enter the IP address of DVR in IE browser. The address appeared in this image is only for demonstration. Actual address is depending on the setup of on-site DVR

< ⋺	@ http://192.168.100.123/	X D 🛛 🗕 Q

Step 2: Windows as below will show up. Please enter the user name and password. Default user name and password is **admin/123456**. Other related setup about user account and password, please check **"Account Setup**." The user name and password appeared in this image is only for demonstration. Actual user name and password depend on the setup of on-site DVR.

Windows Security	×
The server 192.1	68.100.123 at DVR requires a username and password.
	erver is requesting that your username and password be ure manner (basic authentication without a secure
	admin •••••• Image: Remember my credentials
	OK Cancel

Step 3 : Click on" iWatchDVR for Internet Explorer 7/8/9 ".



p.s. There will be IE connection security issue when clicking this link for the first time. Please refer to index III for Remote Monitoring IE ActiveX Control Installation Instruction.

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Step 4 : DVR images appear. • Default is 4:3 display.

3-11 APP Software Connection(Android for example)

1. Go "Google Play" or APP store (iOS) to download the "SoCatch".

2. Press the "New" icon in the upper right corner to add a new connection.

 Give a Name of this connection and input network address port (default:80) Username (default : admin) and Password (Default : 123456), or press "Lan Search IP" to search DVR/IP CAM IP in the same network.

4. Devices in the same network segment are going to be found and you can pick one of them but only the device which Swift Connection supported can be show on the screen.



5. Multiscreen can be chose in Live view

7. Searching by Time or Log files

8. You can search by time or event (log type) in the log search.



9. Highlights in the monthly calendar are those days which has video recording. Pick one of them and choose a start time to watch the recording.

10. Play Rewind . Forward . Pause and Start/Stop

11. Mute and unmute the audio

12. Multiple screen selection

User Manual



Time Search

10月 2016

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- 13. Choose a section of the recoding and back it down to your device
 - i. Mark In/out : Press "Mark In" to set start time and wait for a while then press "Mark Out" to set stop backup time.
 - ii. Go Backup : After setting duration and channel, press "Calculate" key to calculate required space, then press "Download". "Note: DO NOT execute another application program during backup download.



< Backup	
Duration	
Start Time 20161017_230631	
End Time 20161017_230634	
Duration	0 minute(s)
•	_
Backup Channel	
Channels	
Backup Space	
System Free Space	
Required Space	



14. Other settings, such as PTZ · Relay · Zoom...etc.

15. Status : Status of each channel

16. Backup list : All the backup files should be listed on the backup list. Press any file on the list to execute the file.



3-12 P2P Connection Setup

How to Setup

- On your DVR/IVR, please go to Network Setup page: Main control panel => Configuration => Network Setup
- 2. On lower part of Network Setup page, please input P2P Access Key for P2P and press Apply button.

	F	Network Setu	1b		
🔵 Bandwidth Lim	ited			8) Mbps 🕞
DHCP	Static	P	PPPOE		36
🗹 Enable					
HTTP	DDNS	NTP	Mail Setup		FTP)
🗹 Enable					
Porti					30 >)
Apply Key:	XQAFUF	51RCFRBZ1K	UFW2E7MQI		Apply
C	OK		Cancel		

Please press OK button on lower part of Network Setup page and return to Configuration level.

 Please go to System Information page: Main control panel => Configuration => System Information

Model:			SCH (NTSC)
Version:			2.0b57_20131112
Network		a *sa	
028			192.168.3.190
MAC	SEXDENDYSMU	0 4 4 4 4 7 BNTYSSID (2014/11/12	00:17:45:29:36:05
HDD	CIORES CIRCO DE MARC		<i>y</i>
Recording Scheme:			Continuous Record
Model	Status	Attribute	Free/Capacity
			5

Under Network tag, you can find QR code, access key and expiry date for P2P feature.



For computer use, please login iWatchDVR. On prompting interface, please input P2P Access Key in Host field, input / modify the rest of fields as appropriate Click on Connect button

Host:	28KDGNDY2MU7BNTYS81D
Port:	80
User:	admin
Password:	

4. For mobile device (i.e., smart phone and tablet) users, please login APP "Socatch"

Click '+' (iOS) / 'New' (Android) icon on upper right corner to add a new connection.





5. Click on Scan QR code button as shown on following picture.





6. Please scan QR code on DVR's System Information page

DVR			
Model:			BCH (NTSC)
Version:			2.0b57_20181119
Network			
IPs .			192.163.3.190
MAG	ลดสอาสเกตพลเงาเ	 73014/11/12	00:17:4F:29:8B:0F
HDD	Chorac Personal of Calcord		
Recording Scheme:			Continuous Record
Model	Status	Attribute	Free/Capacity
		S.M.A.	R.T. Information
		Close	

Access key information will be shown on Host field

••••○ 中華電信 夺	下午4:23	≉ 48% ■Ξ
	Add DVR	
Name		
		-
Host 28KDGNDY2MU	2010/00/10	_
and the second se	IT BINT YS8 ID	- /
Port		
User		
		_
Password		
S	ican QR code	

Input / modify the rest of fields as appropriate.

Click on Save button on upper right corner.

Login with new settings