





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/

# **Table of Contents**

Chapter 1 LIVE OPERATIONS	
Chapter 2 MAIN MENU SETUP	
2-1 Auto Sequential	
2-2 Backup	
2-2.1 Selection	
2-2.2 Select Backup Device	
2-3 Configure	
2-4 Time Search	
2-5 System Logs	
2-5.1 Search Criteria	
2-6 PTZ Operation	
2-7 Zoom	
2-8 Shortcut toolbar	
Chapter 3 CONFIGURATION MENU	
3-1 Record Setup	
3-1.1 Continuous Record	
3-1.1.1 Video Settings	27
3-1.1.2 Event Recording	28
3-1.2 Schedule Recording	
3-1.2.1 Configuration	30
3-1.2.2 Holiday Configuration	30
3-2 Event Setup	
3-2.1 Video Loss	
3-2.1.1 Configuration	
3-2.1.2 Event Handling	31
3-2.1.3 Receiver Setup	32
3-2.2 Motion Detection	
3-2.2.1 Configuration	32
3-2.2.1.1 Motion Area Setup	
3-2.2.2 Event Handling	33
3-2.2.3 Receiver Setup	
3-2.3 Sensor	
3-2.3.1 Configuration	34
3-2.3.2 Event Handling	34
3-2.3.3 Receiver Setup	35
3-2.4 System	
3-2.4.1 Receiver Setup	35
3-3 Camera Setup	
3-3.1 IP Mode Setup	
3-3.2 PTZ Setup	
3-4 Account Setup	
3-4.1 Administrator	
3-4.2 Other Users	
3-4.2.1 Permission	43
3-5 Network Setup	
3-5.1 Networking Setup	
3-5.1.1 DHCP Setup	45
3-5.1.2 Static IP Setup	45
3-5.1.3 PPPoE Setup	46
3-5.1.4 3G Setup 3-5.1.5 Bandwidth Limited	46
J-D.I.D BANGWIGIN LIMITED	47
3-5.2 DDNS Setup	
3-5.3 NTP Setup	
3-5.4 Mail Setup	
3-5.5 FTP Setup	
3-6 Storage Setup	
3-6.1 HDD Setup	

3-6.2 USB Flash Derive Setup	. 53
3-6.3 DVD-RW Setup	
3-7 System Setup	. 54
3-7.1 Auto Lock	. 54
3-7.2 Auto Reboot	. 54
3-7.3 Date/Time Setup	. 55
3-7.3.1 Time zone	_ 55
3-7.3.2 Daylight Saving Time Setup	. 55
3-7.3.3 Change Date and Time	_56
3-7.4 Monitor Setup	. 57
3-7.5 Input Setup	. 59
3-7.5.1 Remote Control Setup	
3-7.5.2 Panel Setup	_ 60
3-7.5.3 Mouse Setup	_ 60
3-7.5.5 Touch Screen Setup	_ 61
3-7.6 Utility Setup	
3-7.6.1 Export Configuration	_ 63
3-7.6.2 Import Configuration	_64
3-7.6.3 Reset Configuration	_ 65
3-7.6.4 Export Logs	_65
3-7.6.5 Clear Logs	_ 66
3-7.6.6 Upgrade Firmware	67
3-8 System Information	
3-8.1 DVR Information	
3-8.2 Network Information	
3-8.3 HDD Information	
3-8.4 S.M.A.R.T Information	
REMOTE SOFTWARE INSTALLATION and SETUP	
3-9 Application Software Connection	
3-10 IE Connection	
3-11 APP Software Connection (Android for example)	
3-12 P2P Connection Setup	. 80

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. User may access the configuration panel 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

# **DUHD Series:**

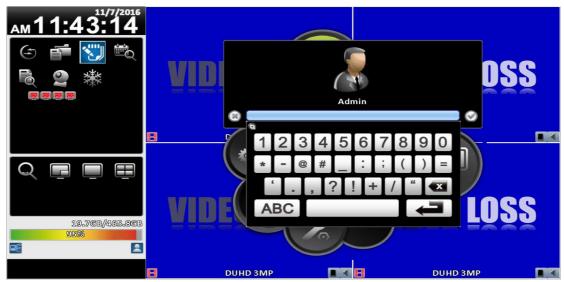




Icon	Description
	Recording of a channel is activated.
	Live audio of a channel is activated.
	Live audio of a channel is not activated.
	Video signal of a channel is available.
	Event recording of a channel is active in this channel.
" <del>"</del>	Motion detection of a channel is triggered.
<u>@</u>	Alarm is triggered of a channel. The number of available alarms depends on models.
ſ	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
<b>2</b>	Network connection is not available
	Displays the current user
38°C 748.59GB/753.32GB	Displays the current disk space and usage. (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.



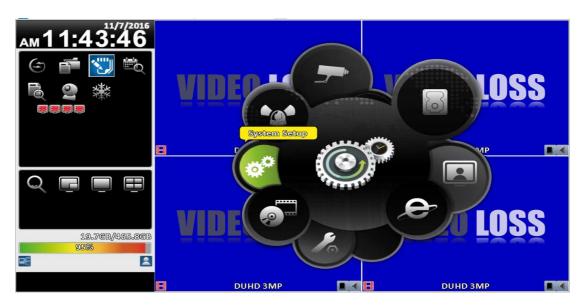
#### Table 2-1 Definition of keys of virtual keyboard

Icon	Description
巻, 企	Switch between capital letters and lower-case letters.
.?123 / ABC	Switch between numbers and letters
-≪3	Delete the last character .
	Enter to verify the password. The DVR shows the setup menu, if the password is accepted.
	Space key

#### Table 2-2 Available keys on the remote control in the main menu mode

Item	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.

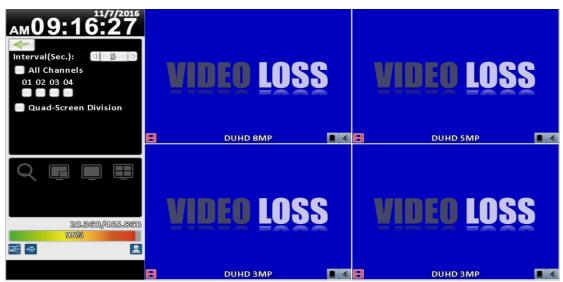




lcon	Description
$( \mathbf{F} )$	Set the auto sequential menu
	Set the backup menu to backup video data from DVR HDD.
	Set the configuration menu to access recording settings, event settings, camera settings, account settings, network settings, stor- age settings, system configuration, and information
	Set the time search menu to choose a specific time of the rec- orded video to playback
	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.
	Set the PTZ mode
Q	Set the Zoom-in function. The DVR supports zoom-in from 2x to 8x digital zoom
	Set image freeze function
	Disable image freeze function
	Enable/Disable PIP
	Switch to single split
	Switch to 4-split display
	Switch to 9-split display

Switch to 13-split display
Switch to 16-split display

# 2-1 Auto Sequential





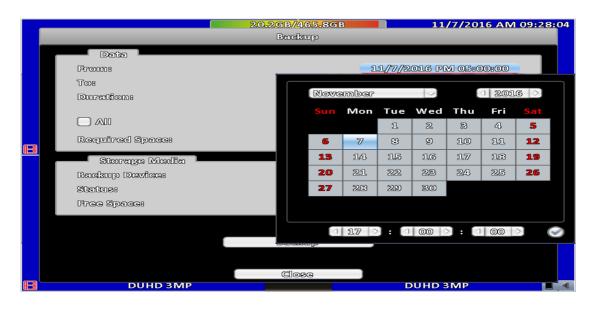
Item	Description	
Interval	The time interval between each channel display	
All Channels	The DVR automatically switches between channels with designated in- terval. The DVR shows each channel in a single-split mode.	
Quad-Screen Divi- sion	The DVR automatically switches between channels with designated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



		20.2GB/465.8GB	1/7/2016 AM 09:28:3	34
		Backup		
	Dette			
	From:	11/7/2016 P	PIM 05:00:00	
	Toi	11/7/2016 8	PIM 06:00:00	
	Duration:	1 1 00		
		01.02.03.04		
8	Required Space:		Calculate	
	Storage Media			
	Backup Device:	USB Flash Drive		
	Status:		Ready	
	Free Space:		13.368	
		Beckup		
		Close		
B	DUHD 3MP	DUHD	ЗМР	•

2-2.2 Select Backup Device

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)	
Backup	Start backup operation. Be sure to calculate the size of backup file BEFORE operating backup.	

	Backup
Data	
From:	11/7/2016 PM 05:00:00
To:	11/7/2016 PM 05:00:00
Duration:	
Required Space:	Calculate
Storage Media	
Backup Device:	USB Flash Drive
Status:	Ready
Free Space:	13.36B
	Backup
	Close

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

# 2-3 Configure

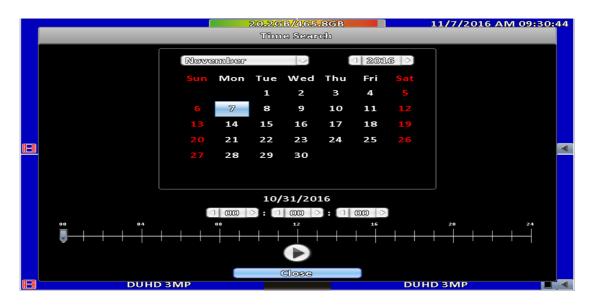
Evoke the configuration menu, recording settings, event settings, camera settings, account settings, network settings, storage settings, system configuration, and information. Please refer to chapter 3 for detail.



# 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.

#### Playback configuration

2015/04/201 (11927)441	3.4TB/3.6TB	<sup>015/09/21</sup> 11:27: <b>9/21/2015 PM 04:00:32</b>
VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
	🕨 сно2 💽	🕨 сноз 💽
VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
🕨 СН04	🕨 сноз 💽	сноб 🗨
		16 20 24

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

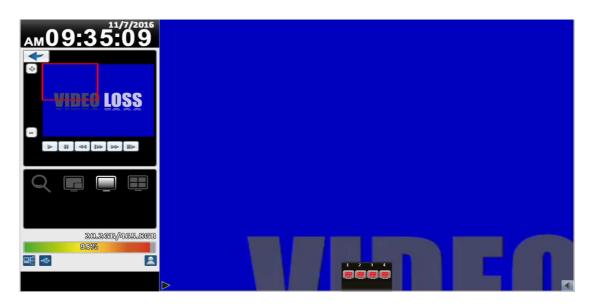
Button	Description		
ENTER/ MODE	Switch to full screen or multi split display.		
MENU / II	Turn on/off PAUSE.		
PLAY	Playback at normal speed.		
▲ / SLOW Playback at slower speed. The speed will be slowed to 1/2, 1/4, 1/8 playback speed, by each pressing of the button till the slowest speed.			
•• / •	◄ / ◄ Fast rewind. Each press increases the rewind speed to the next leve 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.		

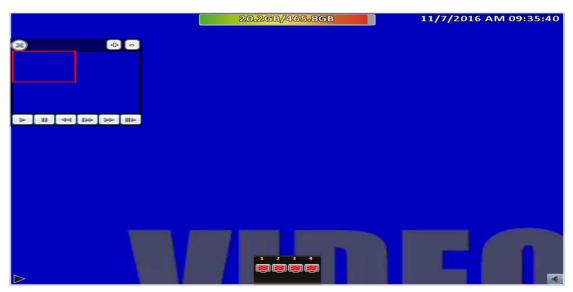
#### Table 2-5 the mouse operation under the PLAYBACK mode.

lcon	Description
	Stop playback, and go to previous page
	Play
	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
O	Zoom-in display, 2x~8x digital zoom
	Full screen display
	Quad display
	9 screen display
	16 screen display

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





#### P.S Can drag a small window

### 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.

		System Loge	3
C	Criteria		
	Date/Time	Event	User/Details
	> 2013/07/26 13:54:44	User Login	[admin] 192.168.1.49
	2013/07/23 20:37:02	User Logout	[Admin] Console
	> 2013/07/23 20:30:45	User Login	[Admin] Console
	> 2013/07/22 20:13:54	User Logout	[admin] 192.163.3.239
	> 2013/07/22 19:34:42	User Login	[admin] 192.168.3.239
	2013/07/22 19:34:41	User Logout	[admin] 192.168.3.239
	> 2013/07/22 19:34:37	User Login	[admin] 192.168.3.239
	2013/07/16 22:03:54	User Logout	[admin] 192.163.1.61
	> 2013/07/16 21:40:12	User Login	[admin] 192.168.1.61
	2013/07/16 21:23:54	User Logout	[admin] 192.163.1.61
	> 2013/07/16 20:15:00	User Login	[admin] 192.168.1.61
	2013/07//16 18:19:01	Channel Record	
	2013/07/16 18:18:55	Power On	
	2013/07/16 17:50:03	User Logout	[admin] 192.163.1.61
	> 2013/07/16 17:50:03	User Logout	[admin] 192.168.1.61
	2013/07/16 17:30:34	User Login	[admin] 192.163.1.61
	2013/07/16 17:29:45	User Login	[admin] 192.168.1.61
	2013/07//16 17:29:26	User Login	[admin] 192.163.1.61
		Close	
	CH13 FOIL	CH14 CH14	CH15 CH16

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 D	Press left and right arrow keys or enter the page number directly. It will go to the select event page.
C	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.

\$01110	ant to a second se	265.98	ueryaraa	2B				12011	1.7.40	1,24
	- From:				7/26/	2013 P	M Ol	53:25		s
11	Toi	Ĩ								
24			July				(	1 201	3 >	
五			Sun	Mon	Tuq	Wed	Ծնա	ලිස්	Sat	
<b>'4</b> '	🗹 Power On	Channe Channe		1	2	3	4	5	6	1
11	Sensor Suser Logout	Video ( Staport	7	8	9	10	11	12	13	
	Ser Logout	Steport								
18	Change Date//Time	Change	14	15	16	17	18	19	20	
25	Set HDD Record Flag	System	21	22	23	24	25	26	27	
201	Set Admin Password	Vrite (	28	29	30	31				
16			[]	13 )		53		25		$\bigcirc$
B	User								_	
201		01.02.0	3 04 05 06	07 08	3091	LO 11 :	12 13	14 15	3 16	S
		$\mathbf{\nabla \mathbf{\nabla \nabla}}$					$\mathbf{V}$	$\heartsuit$	C.	
1		17 18 19		23 24			28 29	30 31		
										S
B	CHIS N	OK LHL4		Canc		-	1	CHI		•
	The address for the set	1.96	R/AKS RAR		100000	* 10 mary /	26/20	13"PTM	<u> </u>	:09
	Frams				1/23/	20013 P	101 0018	58:23	_	S
1	🗌 Tee			-	7/26//2	2018 F	CI ©1:	58:25	_	

	🗌 Frams	-	7/26/2013 PM 01:52:25	s
	🗌 Tœi		7/26/2013 PM 01:58:25	
10 TO T				
N.	🗹 Fowar On	🗹 Channel Record	Vidao Loss	5
В	Sansar	🗹 Widaa Matian	🗹 Usar Lagin	
*****	🗹 Usar Lagaut	🗹 Export Configuration	🗹 Resat Configuration	
w	Import Configuration	Skiport Logs	Claar Loga	e
	Change Date/Time	Change Record Coulds	🗹 HDD Format:	2
B	✓ Set HDD Record Flag ✓ Set Admin Password	🗹 System Upgrede 🗹 Write Error	🗹 Backup	
	Sec Manun Password			•
				2
B				
	🗌 Weter			
N		001.072.073.073.073.073.073.077.0	8 09 10 11 12 18 14 15 16	S
8			AAAAAAAAAA	
27534	0	17 18 19 20 21 22 28 3	24 25 26 27 28 29 30 31 32	
			Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	e
1		OK Can	cal )	5
81	CH2/ IT CH28	CH29 10 CH30	CH31 CH32	

# 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.



#### **Table 2-6 Function description**

Item	Description
۹	ZOOM. Press + / - or move the slider to adjust the zoom level.
-	FOCUS. Press + / - or move the slider adjust the PTZ fo- cus
8	IRIS. Press + / - or move the slider to adjust the PTZ iris

<b>=</b> /	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.
- <u>-</u> 1	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

Item	Description
4>	Zoom-in the area specified by the red rectangle.
-	Zoom-out the area specified by the red rectangle.
$\mathcal{V}$	Exit zoom mode

# 2-8 Shortcut toolbar

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



ICON	Description
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.
i i i	Screenshot.
Ξ	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.
<u></u>	Displacement Windows settings.
<b>.</b>	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

% 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

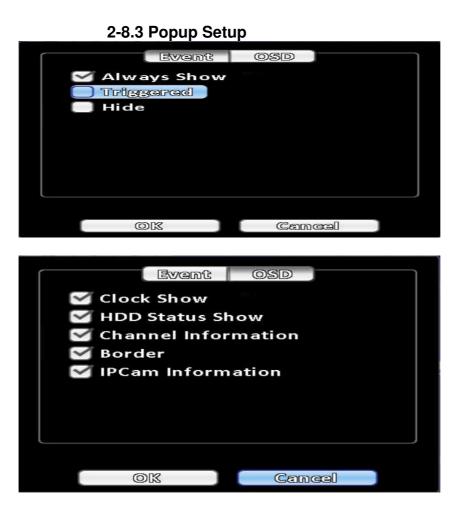
Multiple-Screen Division Low Quality Static Image Low Quality High Quality Static Image High Quality
Single-Screen Division Low Quality Static Image Low Quality High Quality Static Image High Quality
OK Cancel

Option	Description
Low Quality Single Im- age	Low quality static mode: insufficient bandwidth used for one 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** 

		1992 10 X 201 X 201	CUV/04/25/202230	**		28:33
VIDEO LO	SS	WIDEO LOSS	WIDEO LO	SS	WIDEO LOS	SS
сиот	201	сно2	сноз	Real of the	L CH04	1000
VIDEO LO	Store forder:		rererente mesan internationalenteration	Rmass	EO LOS	SS
WIDEO LC	No Juli Este	0%ser Adrenes om  ≥n ⊊ mense  on:	Courtaint Water Division Window Ans Courtain	К 114 4	EO LOS	
VIDEO LO	SS	WIDE® LOSS	WIDEO LO		VIDEO LO	SS
СН13	E01 (1)	CH14	CHIS	0.000	OH16	1150

### 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	Rol <i>a</i> y2	Relays	Relay4	
On	On	On	On	
	Off	( Off	Off )	
Auto	Auto	Auto	Auto	
Close				

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

# Chapter 3 CONFIGURATION MENU



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

# 3-1 Record Setup

ам09:55:42			[	Recor	d Setup						
(c) 📑 🖏 🖏	Record Mode:					Continu Off Continu					
R 2 *		Contin CHO		:H02	C	Schedu HØ3	le Rec		e)		
	Record		Con	ास्राणल जि	ous Reco	rel				$\cap$	_
	Resolution			•				- 1	9	$\cup$	
	FPS	1	চিব	1	চিবি	1 0		1	0		
	Quality	1		1	$\square$	1 D		1	$\triangleright$		•
	Audio			$\Box$		$\Box$	l			$\Box$	
			[	Event	Record	_	_	_	_	_	
	Record			$\Box$		$\Box$	I			$\Box$	
	Resolution					- 🖂		-	$\overline{}$		
	FPS	1	$\triangleright$	1	$\triangleright \triangleleft$	1 🗅		1	$\triangleright$		
	Quality	1		1		1 🗅		1	D		
20.16B/465.36B	Pro-Alarm	0		0	$\triangleright \triangleleft$			0	$\triangleright$	0	$\supset$
95%	Post-Alarm	0		0	$\triangleright \triangleleft$	0 >		0		0	
🖳 <	Audio										
			OK			Cance	90				
	DUH	озмр					DU	HD 3	МР		

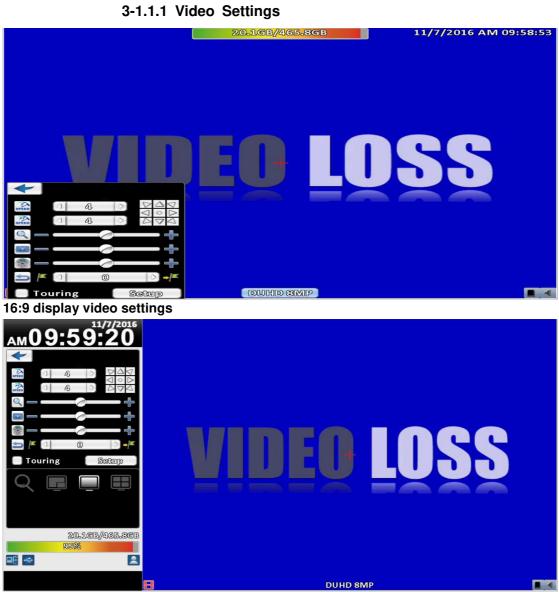
Item	Description
Record Mode	Continuous Record/ Schedule Record/ Stop Record

AMO9:56:08  Record Setup  Record Setup  Record Setup  Record Mode:  Continuous Record  Continuous Record  Continuous Record  R	
Record Mode:       Continuous Record         Continuous Record       Schedule Record         Ch01       Ch02       Ch04         Continuous Record       Continuous Record         Record       I       I         Ch01       Ch02       Ch04         Continuous Record       Continuous Record         Record       I       I         Ch01       Ch02       Ch04         Continuous Record       I       I         Continuous Record       I       I         Cuality       I       I       I         Cuality       I       I       I         Cuality       I       I       I         Record       I       I       I         Record       I       I       I	
Image: Continuous Record       Schedule Record         Image: Child Chile Child Chile Child Child Child Child Child Chile Chil	
CHIOL CHIOZ CHOE CHOA CONTINUOUS Record Record V V V V FPS (1) (1) (1) (1) Quality (1) (1) (1) (1) Audio Event Record Record 0	
Record       Image: Constraint of the second s	
Resclution      >	
Image: Constraint of the state of the s	
Cuality     1     1     1     1     1       Audio     O     O     O       Event Record     O     O       Record     O     O	
Quality     1     1     1     1     1       Audio     O     O     O       Event Record     O     O       Record     O     O	
Audio     O     O       Event Record       Record       Recolution	•
Record       Record       Record	
20.1CB/465.3CB Pre-Alarm 1 0 0 1 0 0 1 0 0 1 0 0 1 0	
95% Post-Alerm 1 0 > 1 0 > 1 0 > 1 0 > 1 0	
OK Cancel	
DUHD 3MP DUHD 3MP	

## 3-1.1 Continuous Record

Item	Description
	Click icon, it will go to the video setting menu of this channel (be-
Video	low). In settings menu, press 🗪 to save, press 🗵 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
Quality	better quality
Audio	Enable / Disable recording audio

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



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 (DUHD)	3840 x 2160	1920 x 1080	1280 x 720
NTSC (HD)	1920 x 1080	1280 x 720	640 × 360
NTSC (960H)	944 x 480	704 × 480	472 x 240
NTSC (D1)	704 × 480	704 × 240	352 x 240
PAL (HD)	1920 x 1080	1280 x 720	640 x 360
PAL (960H)	944 x 576	704 × 576	472 x 288
PAL (D1)	704 × 576	704 × 288	352 x 288

**Universal Series:** 

<b>Input Setting</b>	R	esolution
	<mark>1080p</mark>	1920 x 1080
	<mark>720p</mark>	1280 x 720
NTSC	nHD	<mark>640 x 360</mark>
	WD1	944 x 480
	qWD1	472 x 240
	<mark>1080p</mark>	1920 x 1080
	<mark>720p</mark>	1280 x 720
PAL	nHD	640 x 360
	WD1	944 x 576
	qWD1	472 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.

ам <b>10:00:35</b>								R	200	rd	Set	Лb													
🔄 💣 🕎 🖏	Record Mode:												Coi	රේඩ්ර	NU@	800	Ro	coli	ġ						
			Co	Dint	ព្រល	OU	s R	800	brd		00	Seh	nedu	le	Red	cor	6			-		-	-		
		00	09.	022	08	06		005	077 0	100	00 10	0 12	£ £22	28	26	193	203	527	10	99	20	226	222	283	
	Sunday																								
	Monday																								
	Tugeday																								
	Wadnasday			_	_	$\rightarrow$	_	_	_	_	_	+	_	-	-		_		_		_	_	$\rightarrow$	_	
	Publicay			_	_	$\rightarrow$	+	-	-	+	-	+	-	-	-		_	_	-	$\rightarrow$	_	_	$\rightarrow$	_	
	Statuter		$\left  \right $	_	-	+	+	+	+	+	-	+	+	-	-	$\vdash$	-	_	-	+	-	+	+	-	
	Distility		$\left  \right $			+	+	+	+	+	+	+	+	-	$\vdash$	$\vdash$	-		$\neg$	+	+	+	+	-	
	Nong	_								- 1			_	<u> </u>	-										
	A	_	۲,	Rab	em	ഹി											C		Ba	- Cann	P				
	B	-	_		em												2	-			P		=		
		_															2	_					=		
20.16B/465.36B	<u> </u>	_	-		em												2	_			9	272	=		
95%	D		_ s	Sch	em	041								_			L				P		_		
🖳 <														L		He	olla	lay	Se	) COLOR	D	_	_	J	
						OK				1			Ca	DNG	el										
	DUF	ID	зм	Р							Ы					D	UF	ID :	зм	Р				L	

### **Event Setup**

Enable or disable motion detection or Sensor function in schedule record.

ам <b>10:04:30</b>			Event So	ətup			
(c) (f) (f) (f) (f) (f) (f) (f) (f) (f) (f		deo Loss CH01	Motion De CH02 Setu	CHOS	System CH04	_	
	Encide						
	Notification						
R-B	Log		Event Ha	ndler			
	eog Event Record Popup Popup Channel Buzzer	CHO1 Disable CHO1 CHO1	CH02 Disable CH02	CHOS Disable CHOS	CH04 Disable CH04	Disable > Disable > Relative >	4
20.16B/465.36B 95%	PTZ Go Preset Resume Preset Mail to	Disable	Disable V 1 0 V 1 0 V ver Setup		Disable V 0 0 V 0 0 V eation Setup		
	DUHC	© 3 M P		Cance	DUHD 3N	1P	

ам10:05:33			Record S	detup		
(=) 📬 🕎 📸	Record Mode:			Continuous	s Record	
	Record Resolution FPS	Continuou CH01	S Record CH02 Continuous	Schedule Reco CH08 Record CH08 Record	rd CH04 ~ ~ 1	
	Quality Audio Record		I D Event Ro	eord		
20.1GB//465.3GB	Resolution FPS Quality Pre-Alarm					
95%	Post-Alarm Audio					
	DUHD				DUHD 3MP	
Item			Descr	iption		
Name	Change the ree	cording n	ame of th	e channel		

3-1.2.1 Configuration

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.

ам <b>10:06:09</b>									R	lec	070	l Se	agan	Þ													
	Re	cord Mode:												C	9N	භ්ත	YO	us I	Ro	306	ේ			0	1		
				Ca	Dag	ពៃល	104	S	lec	ore	6	_	Se	he	វ័យ	9	Ree		10	1							
			00				06				00	00	10					13		117	10	19	80	20.	223	28	
		Sunday Manday										-															
	-	Threadby				-		-	_	_		-	_	+	+	+	-	+	+	-	_		-	_		-	
		Wadaaaday																									
	<u> </u>	Thursday Publicy				_		_					_	$\rightarrow$		-	-	$\rightarrow$	+				_		_	_	-
		Seconday	-										_	+		+		+					-			-	
		Nationy																									
		Nong		$\sum_{i=1}^{n}$															_								
		<u>A</u>	_		Sch														2	_		මරිග	0704776332	22.03	_	ł	
		C	_	-	3ch 3ch															_		ettu 			_		
20.16B/465.36B		D	-	3	san Sah															_		මයිඟ මයිඟ			-		
					~300											C		He	olld	lay		Gwo			-	j	
				_	-	-	OK	ζ	-	-		Г	-	-	රීම	nœ	al	-	-	1			200				
E	3	DUH	ID	зм	P						•	B						D	UH	ID I	3 M	IP					•

# 3-2 Event Setup



ам10:06:46			Event S	etup			
6 💣 💟 🗞		deo Loss CHO1	Motion De CH02 Setu	CHOS	System CH04		
	Enable	Ø		Ø	Ø		
	Notlification		Event Ha	ndler			
	Log						
	Event Record Popup Popup Channel Buzzer	Disable Disable CH01	Disable Disable CH02	Disable CH03	Disable Disabl	Disable > Disable > Relative >	
20.163/465.363 95%	PTZ Go Preset Resume Preset Mail to	Disable	Disable ) 1 0 ) 1 0 ) ver Setup	Disable	Disable		
8	DUHD	© 3 M P	X I	Cance	DUHD 3N	1P	

### 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.
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	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 event is finished.

### 3-2.1.3Receiver Setup

ам <b>10:07:49</b>	Event Setup	
🔄 📬 💟 🖏	Video Loss Motion Detection System CH01 CH02 CH08 CH04	
	Enable Admin User1 User2 User3 User5 User5 User6	
	User7       Po;       User8       User10       OK       Cancel	
20.16B/465.36B	Ressume Preset       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       0       1       1       0       1       1       0       1	
	OK     Cancel       DUHD 3MP     UM	

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

🗲 🛞 🍯 http://192.168.3.23/ie.html	- م	් @ iWatchDVR 1.1.20.8	×		~		- <b>라</b> 슈☆	× 0 0 3
ам <b>10:08:40</b>				Event	Setup			
🔄 📑 🜄 🛍			deo Loss CH01	CH02	CHOS	System CH04		
🗟 💁 🕸		Enable	Ø	Set		V		
		Notification						
				Event H				
	B	Log						-
		Event Record	CH01					
		Popup Popup Channel	CH01	) (Disable) (CH02	) (Disable   ) ) (CHOS   )	CH04	Relative	
		Buzzar						
		PTZ	Disable	Disable	Disable 🖂	Disable 🖂	Disable	
20.16B/465.36B		Go Preset						
95%		Resume Preset						
📲 🔹		Mail to	Recei	ver Setup	Notifi	ation Satup,		
				DIX	Cance			
	8	DUHE	D 3 M P		H	DUHD 3N	ИР	

# 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 full screen. The screen is marked in transparent for detection area and grey for disabled area of motion detection.



Item	Description
CH01~ CH16	Selected channel motion detection function $\circ$
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

		Event	Setup		
Video Loss	Motio S01	n Detrection ) (S02	Senso SOS	or S04	System
		Set	wp		
Enable					
Polarity	(N.O.	) (N.O.	) (N.O.	-) (N.O.	✓ (N.O. ✓)
		Event F	landler		
Log					
Event Record	Disable	) (Disable	Disable	) (Disable	) (Disable )
Рорир	Disable	Disable	Disabla	Disable	Disable 🖂
Popup Channel	CHO1	) (CHO1	CHO1	) (CHO1	🖂 (Relative 🖂
Buzzer					
Relay	Disable	Disable	) (Disable	) (Disable	🗸 Disable 🗸
PTZ	Disable	Disable	) (Disable	) (Disable	🕞 (Disable 🕞
Go Preset					
Resume Preset					
Mail to	Receit	/or Solup			
	0		Can	cel )	

※ 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
Foldiny	N.O: Sensor has been triggered. When connected, sensor status will be turned off

#### 3-2.3.2 Event Handling

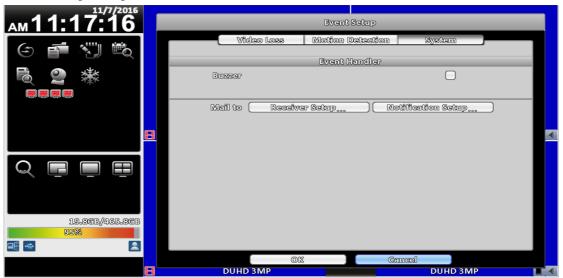
Please refer to 3-2.1.2 Event Handling

### 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 can't 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.



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

#### 3-2.4.1 Receiver Setup

Please refer to 3-2.2.3 Receiver Setup.

# 3-3 Camera Setup

	19.8GB/465.8GB 11/7/.	2016 AM 11:18:18
	Camera Setup	
	1 2 3 4	
	1 2 5 4	
Mask		
Name:	(DUHD SMP	
	Apply to All	
Advorso Cotur		
Advance Setup		
() ()		
DUHD 3MP	DUHD 3MF	
	4.6GB/465.8GB 2/7/	2017 PM 04:11:22
	4.6GB/465.8GB 2/7/ Advance Setup	2017 PM 04:11:22
	Advance Setup	2017 PM 04:11:22
	Advance Setup	2017 PM 04:11:22
	Advance Setup           1         2         3         4	2017 PM 04:11:22
	Advance Setup           1         2         3         4	2017 PM 04:11:22
	Advance Setup           1         2         3         4	2017 PM 04:11:22
	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>DeNoise</li> <li>Exposure</li> <li>WDR</li> </ul>	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>Convoise</li> <li>Exposure</li> <li>WDR</li> <li>UIS</li> </ul>	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AWB</li> </ul>	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AWB</li> </ul>	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>	Advance Setup           1         2         3         4	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>	Advance Setup	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>		2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>	Advance Setup	2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>		2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>		2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>		2017 PM 04:11:22
<ul> <li>Image</li> <li>Infrared Cutoff Filter</li> <li>BLC</li> <li>C DeNoise</li> <li>Exposure</li> <li>WDR</li> <li>DIS</li> <li>AW/B</li> <li>Defore</li> </ul>	Advance Setup     1     2   3   4     5   6     Reset Default	2017 PM 04:11:22

Functions	Description
Mask	Check the box to Enable/Disable mask function for the camera in the LIVE mode
Name	Channel name
Timestamp	Click on the blue screen to set position of the timestamp.
Access setup	Local "DUHD mode" and remote "IP mode" can be selected.
1	*For DUHD is called "DUHD".
Image	It allows you to modify Brightness, Contrast, Saturation and 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 im- age 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.

3-3.1 IP Mode Setup

	Camera Setup
1 2 3 4	5 6 7 8 9 10 11 12 13 14 15 16
🗌 Mask	
Name:	(CH01
(	
(IP Mode	
🗹 Remote Connec	lion
Camora Soli	
Protocol:	ONVIF
IPs	
Ports	1
UID:	
Usar Nama:	
Password:	
( Advance Setu	P
_	OK Cancel

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 sho uld 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

#### 3-3.1.1 Camera Set

Step 1. Press the magnifier icon to search camera or remote devices

Name:	ļ	CH05			 	
(IP Mode		ly to All		_		
🗹 Remote Conne	etion [s	<mark>learch</mark> Ca	mera	J		
Camera Seti	á.	Empty			 	
Protocol:		ONVIF				
1P8						
Ports			1			
UID:						
User Name:						
Password:						
	up )					

#### Step 2-1. Protocol : ONVIF (IP CAM Mode)

Please wait awhile, IP CAM in the same network area are going to be added in the t op of sheet and press "+" to add it to the selection list below. Press "reload" sign in t he top right corner to re-search again if there is no device or (a) new added device (s)

				-
Protocol: ONVIF				
UID	IP	PORT		
CUMULT CORCOROCROORS/AR7/C	10210099555	80		/ +
ONNIF ODEODEDEODEE2E83	102.103.3.5	80		+
UNVIF ODELGENSELCENSICS	191193.8/01	9007		+
CONTE CARDES CONTRACTOR	102.168.8.95	60		+
New				1 🕥 🖕
Name	<b>1</b> 20		PORT	
TRAIL (125-193-10-103)	Please Wait	600	2000	likilik
ത്സന്ന പ്രജപതാപാപത്ത			2000	
ONVIF (ASSAGDADADA)	CONVERTIGATION OF CONCOMPANY	การการการก	00	listific
ORMIF (ADRADOADDATED)	CINALL CONCINCING	102.103.10.115	80	(BidBa
URMIF (PERAMANANA)	CLUMP COROROGIA	102.133.10.013	00	Citalita
URMIF (1922-1933-10-29)	CITEMP COROM/GP1	102.175.10.00	80	Exfix
TRAFF (192.103.8.32)	CLIMIF CORCHEGEO	102.133.8.52	80	CBACER
DINTE (ISRAGGALS)	000000 1000000000000000000000000000000	102.103.8.5	80	Citatio
TINUF (ISPALICLA.AM)	CONVERTING CONCERNMENT	1112.103.8.85	00	C8:080
ORVIF (A92.163.2.25)	CULIVIE CONCENSION	102.00.3.25	00	listifit

#### Step 2-2. Protocol : DVR Mode

Choose DVR protocol from the drop-down menu, DVRs in the same network area to be added in the top of sheet. Press "+" to trigger a "Modify Menu" listed DVR channe Is, and press "+" on the menu to add a channel of remote DVR to the selection list.

rotocol: (DVR				5
UID	IP	PORT		
713 0060060600602635	192403.85	80		Line
Naw			्र वि	ন চি 🛥
Name	UID	IP	PORT	
MANE (NEW GREAT CONTROL)	GINNE COSCION-7	19243040400	2000	( SECIEC ) -
00070F (0.922.030.00.007)	00090F 00552000-0	192.100.10.107	2000	(B2000) -
ONVER (ASPRAGO AD ANA)	CONVERT COROROGRAM	111111111111	00	Escilito -
CONVER (AD2-2032-20-20-20-20	CONVIP CONCORP	102.013.0.015	00	CBCID3
CINT (COLORIDATIO)	CINAILA COROMOGRA	19940540403	80	EKOR _
CUINT (1922-1033-1092)	CUMMIF COROTHARP	102.03.00.00	60	CBCDD:
COMIF (192.103.3.52)	CLIVIE CORORORIGH	192,133,2,52	60	12/162
011VIF (192-166-9-5)		102.100.2.5	00	Catolice
011VIF ((192.400.9.45)	OUTFIF OPACORSCH-	102.100.0.03	00	18/16
	OTAL OSTOROMO	112.00.0.23	00	(Istilia

Step 3. Press "Edit" icon to modify setting of remote device, such as User Name 
Pa ssword 
Port 
Stream Type...etc.

Protocol:	ORIVIF				1 🕥 🖘
UID		Modify S	etting		
CONVER CORCORDERCOR					
CONVER COROCREDROOM	Name:	ONVIF (192.10	53.10.103)		-
CONVERTIGENSELCE	Protocol:	ORIVIE			-
COUMP C2a10e5te479	User Namei	මේකාම්ක			-1
New		-		$ \longrightarrow $	1 🖒 🖘
Name	Password:	00000			
0117017 (0192-108-1	IP:	192.168.10.10	08		lit lit
000MF (กอนเกตเก	Ports	2000			
ത്സന്ന ശ്രജ്ചങ്ങം	Stream Type	Dual Stream			(BCB)
CHARLES CHARLES T					
CHAR (TOSTOCT	Main Stream	(Profile 1			
CRAME (DESTROT	Sub Stream	(Profile 2			(BOB)
CUIVIF (092.168.8					
ORVIP (AS2.163.8		( ØK	(Cancel)		
CONVER (CORAGRAD	av l	ULUXUP URBIGHORDER	ISEGUIDEED		
ORVIF (AD2.163.8.2	30	OUTUF ORDEROND	102.100.2.23	00	

Name:	(ONVIF ((192.163.10.103))	
Protocol:	ORVIF	$\bigcirc$
User Neme:	ເສດແຫຼງເຫ	
Password:	(00000	
10°8	(192.163.10.103	
Port:	2000	
Stream Type	(Dual Stream	
Main Streem	Dual Stream	
Sub Stream	Single Stream	

- Dual Stream, also called "Main Stream", is higher resolution video stream from the remote for better video quality.
- Single Stream, also called "Sub Stream", is lower video resolution from the remote for transferring video easily.

Step 4, choose one remote device from the drop-down menu.

	Camera Setup
1 2 3 4 5	6 7 8 9 10 11 12 13 14 15 16
🗌 Mask	
Name:	(CH06
(IP Mode	Apply to All
🗹 Remote Connection	
Camera Set:	Q (ONVIF (192.163.10.108)
Protocol:	ONVIF (192.163.10.103)
1Pa	OINVIF (192.153.10.107)
	ONVIF (192.168.10.111)
Port:	ONVIF (192.168.10.115)
VID:	ONVIF (192.163.10.116)) ONVIF (192.163.10.99))
User Name:	ONVIF ((192.168.3.52))
Password:	ONVIF (192.163.3.5)
	OINVIF ((192.163.3.35))
Advance Setup	ONVIF (192.163.3.25)
	ONVIF ((192.163.3.103))
	OK Empty

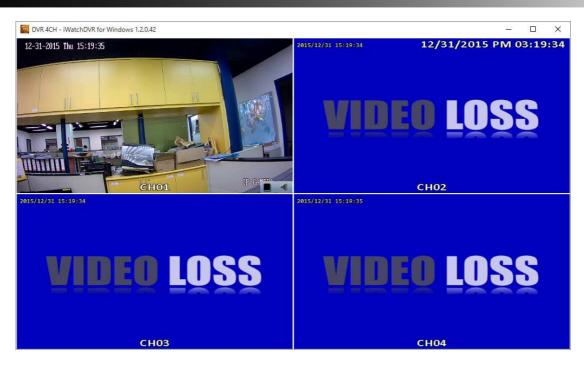
Step 5, Press "OK" to leave

<u>1 2 3 4</u> Mask	5 6 7 8	3 9 10 11 12 1	3 14 15 10
Name:	CHO	X5	
(IP Mode	🖸 🗌 Apply to	All	
🗹 Remote Connecti	2m		
Camara Sat:	q (or	MIF ((192.163.10.103))	$\Box$
Protocol:	OR	NIF	9
1P:	19	2.168.10.103	
Ports		2000	
UID:	00	5a204f-740d-3301-ac36	-005a204f740
User Name:	කේ	ການເປັນ	
Password:	oc	000	)
Advance Setup	100		

3-3.2 PTZ Setup



Item	Description
Enable	Click the box to Enable/Disable PTZ function.
Protocol	Set up the protocol of PTZ cam. The supported protocol are: PELCO-D    PELCO-P    Merit LiLin 1    Merit LiLin 2    SAM- SUNG    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



# 3-4 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"

Account Satup	
Admin         1         2         8         4         5         6         7         8         9         10           Image: Straight and Straightand Straight and Straight and Str	
( OK ) ( Cancel )	

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 num- bers and is case-sensitive.
e-Mail	Set up user email

#### 3-4.2 Other Users

	Account Science		
Admin 1 2	2 4 3 6	7 8 9 10	
Emable     Expire     Expire     Cames     Passwords     e-Wails     Permission     Gamenic Playloadz     Bannots House 2 Playber     Gamenic	~ ~ ~ ~ ~		
<ul> <li>1.5xxxx</li> </ul>	Plenybereds	Berefaup	
Configure	System	PUZ & Relay	
(temote			
C Gara	Blenyloenods	Concellancijo	
Conffigures	System	PUZ Sh Reileny	
	( Can	iaal	

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 num- bers 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 playback channel in local side	
Remote Live & Play- back	Allow the permissions to live monitor/playback channel in remote side	
Console	Allows the permissions to operate in local side (Live, Playback, Backup, Configure, System, PTZ)	
Remote	Allow the permissions to operate in remote side (Live, Playback, Backup, Configure, System, PTZ)	

Console			
Libra	Playback	📃 Backup	
Configure	🗌 System	🗌 piz	
🗹 Remote			
	Playback	📃 Backup	
Configure	System	📄 PTZ	

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

# 3-5 Network Setup

ам <b>11:22:19</b>	Network Setup	
() () () () () () () () () () () () () () () () (	Bandwidith Limited     1     Kbps       DHCP     Static IP     PPPoE     36       IP:     192.163.8.28	
	HITP     DDNS     NTP     Mail Setup     FTP       Enable       Ports     1     30     >	
19,36B/465,86B 95%	HealthCare Enable Apply Key:	
	OK Cancel DUHD 3MP	

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 is shown in the System Information Page.

<u>ам11:22:19</u>	Network Setup	
	Bendwidth Limitæd <u>1 1 (Kbps )</u> DHCP Stetic IP PPPcE <u>86</u> Seneble IP: 192.163.3.28	
	HITP DENS NTP Meil Setup FTP	
19.36B/4465.36B	Ports 1 80 > HealthCare Enable Apply Key:	
F	OK Cancel DUHD 3MP DUHD 3MP	

#### 3-5.1.2 Static IP Setup

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

ам <b>11:23:07</b>	Networ	k Setup	
🔄 🕋 🕎 🖏 Ng 👷 🌞	Bandwidth Limited	(1 1 )(Kops ) PPPOE 86	
	UP8	192 . 163 . 10 . 10	
	Subnet Mask:	255 . 255 . 255 . 0	
	Gatewayı	192 . 168 . 10 . 100	
	DNS	8 . 8 . 8 . 8	-
19.36B/465.36B	HITP DDNS N Tenable Ports HealthCare Apply Key: OK	TP Mail Setup FTP	

Item	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.

🗲 🕘 🧭 http://192.168.3.23/ie.html	,Ω + C @ WatchDVR 1.1.20.8 ×	
ам <b>11:23:43</b>	IX	letwork Setup
() 📬 💟 🖏 () 🤮 🔆	Dendwidth Limited	PPPoE SG
	Password:	1       2       3       4       5       6       7       8       9       0         *       -       @       #       _       :       ;       (       )       =
	HTTP DDNS Inable Port:	· , ? ! + / " ◀ ABC ◀
19.3€B/465.3€B 95% ■ ≪	HealthCare Apply Keys	Enable  Apply
	DUHD 3MP	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.

		Matawark Sat	иp	
🗌 මහාග්ත්රේශි 🛙	ඩ්ගොඩියෙන්			8 Maps -
92000	SGadie	3 OP	nound	26
Densible				
Dial Numbers				
(POR0s				
AND DOS				
Waare				
Peasecorcle				
97778	0000035	1717 IP	Mail Setu	
🗹 Enable				
Ports				
	( OK		Cancel	

Item	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

2000/01/02-05:20 Mode Main Main Bit R Sub F Sub F Sub F Total	6:40		/3.6TB rk Setup	2000/01/02-05:26:40 1	/2/2000 AM 05:26:49
Sub F Sub I Total 20075 Mode Main Main Main Bit R Sub F Sub F Sub F Sub F	Bandwidth Umited DHCP Enable User: Password:	Static IP			Mbps B(Kbps Mbps
(8)	HTTP Enable Port: HealthCare Apply Key:	ddnis n	TP Mail :		FTP
	СН07				

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

# HTTP Setup

2000/01/02 05:28 UID: Mode Main Main	:26		3.4TB/3.6T etwork Set		92 95:28:26	1/2/2000 AM 05	128:26
UID: Mode Main Main Sub I Sub I Sub I Total	Bandwidth Limi DHCP Enable IP:	ted Static (	<u>م</u>	PPPOE	8	) (Mbps ) 36 )	LU HAV SIG SIG Kbp Kbp
UID: Mode Main Bit R Sub F Sub F Sub F Sub F		SUCCES	DETE	0.0-90 @-0	. 1	1002210	
8	Enable Port: HealthCare	DDNS	<u>NTP</u>	Mail Sotup	)	FTP	
	Apply Kayı					Apply	
		OK	] [	Cancel			

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.
Apply Key	Input P2P Access Key for P2P

# 3-5.2 DDNS Setup

		19.868// Networ			11	./7/2016 AM 3	1:25:04
	Bandwidth Limited DHCP	Static IP	PPPOE		1	) Kiddas BC	J I
			192.168.3.2	3			
		nis ni		Setup		FTP	
					Set		
	Serveri		dyndns.org	3			
	Host:		ez-dns.com	ם			
	User:		l-dvr.net dyndns.org	7			
	Password:		nolpacom	5			
		OK	v-protech.	iom Ann	_		
B	DUHD 3MP				UHD	змр	

Server:	ez-dns.com
Host:	CFD5CCD.cz-dns.com
User:	
Password:	

Serveri	(I-dvr.net
Hosti	CFD5CCD.i-dvr.net
Useri	
Password:	

Item	Description
Enable	Enable / Disable DDNS function.
Server	Enter the registered DDNS Server: ez- dns.com 、i-dvr.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 en- ter: h.264.i-dvr.net
User	Enter user name.
Password	Enter password.

\*For more detailed I-DVR.NET operation instruction, please refer to appendix  $I \sim \Pi$ 

# 3-5.3 NTP Setup

Setup he feature of network time synchronization.

Network Setup					
🗹 Bandwidth Limit	යග්	0	8		
DHCP	Static IP	PPPOE		86	
📃 මොන්ඩ්ශ					
(		P. C. 80. CO.	I	Take a feat	_
- WTTP	DDNS N	1.º Mail Se	6wp	여기적	
		19 Mail Se	GUIP .	(FTC)	
	aymahroniza	19 - Mail Se	GUUP	91F	
Automatically	aymahroniza	19 Mail Sc (Marculetycev	ৰাজ		
<ul> <li>Automatically</li> <li>Wpdate interval (8)</li> </ul>	Synchronize (ouns)):	(ദിസഭഹിടപ്പേട്ടായ	gup		
<ul> <li>Automatically</li> <li>Update interval ()</li> </ul>	aymahroniza	(ദിസഭഹിടപ്പേട്ടായ	(ব্যায়চ		
<ul> <li>Automatically</li> <li>Update interval ()</li> </ul>	Synchronize (ouns)):	(ദിസഭഹിടപ്പേട്ടായ	GUIP)		

Item	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.

#### 3-5.4 Mail Setup

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

Nafiwark Safup				
🗹 Bandwidth Limit	රසය		3 8	Mbps -
DHCP	Static IP		PPPOE	86
🗌 Enable				
	DDNS	RTP	Mail Setup	FTP
	09090029	UKIU UP	nonernn svercenlia	0.00
🗌 Encible				
SMTP Server:			2 2	5 🕑 🗆 SSL
Ugers				
Passwords				
Sender's e-Mails				Test
	ØK		Cancel	1

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.

# 3-5.5 FTP Setup

Natwark Satup					
🗹 Bandwidth L	imiteed		1	8 Mape	
DHCP	Static II	990	PPOE	36	
🗆 Enable					
- HUTP	DDNS	NTP	Mail Setu	p FTP	
🗌 Enable					
Serven				21	
User:					
Pasewords					
Directorys					
	( ©K		Cancel		

Item	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

HDD			
🗌 Video Preservation	n ((Hours))		24
Model	Status	Attribute	Free/Capacity 27.4GB/3.6TB
ST4000VM000-1F31	Recording	Overwritable	27.4GB/3.6TB
45			

#### \* Click the status bar to change the attributes of the hard disk

	Store	ge Setup	
HDD			
🗌 Video Preservation	) (Hours)		2/8 D
Model	Status	Attribute	Free/Capacity 🖊
ST4000VM000-1F31	Recording	Overwritable	2B.OGB/B.GTB
Format			
Formet			
Overwritable Writable			UISI'S IDISIX 2.0
Read-Oaly		₽	2.3CB/2.7CB
DVD-RW			
DAGOGEGEN H			Unplugged
Madia Type			No Disc
Frag/Capadity:			0.0MR/0.0MB
	ØK	Canad	

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 (model, 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: Unplugged

0.0MB/0.0MB

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

#### 3-6.3 DVD-RW Setup

DVD-RW	
Model:	ASUS BW-12B1ST
Media Type:	No Disc
Free/Capacity:	0.0MB/0.0MB

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

# 3-7 System Setup

System Setup							
DVR Name	DVR 20CH Hybrid Pro						
Languaga:	English						
Video Fermat Datastion:	(PAL)						
Autolock							
🗌 Eucloica							
Timecout (See	< @a >						
Auto Rek ONTSC							
I Cisabla I PAL							
Rebost							
Date/Time Setup	Dual Monitor: (HDMI]1) VGA(2) 🖂						
[ Monitor Setup							
[ Input Setup ]							
Udility							
	(Canaa)						

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- tion	Specify the format of video signal (auto-detect, NTSC, PAL). The 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, and 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

Item	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

distant and a	Zuber in i	15.16B/3.6TB	9/10/2013 PM 04:24:1	6			
System Satup							
_	DWR Memory	(RHD-1613					
	Time Formats	[PM 04:229:51					
<b>B</b>	Dete Formets	9//19//2018					
	CEMITO (08);						
	<ul> <li>Daylight Saving Times</li> </ul>						
<b>E</b>				4			
2(1)							
B	( ිම්නාලිම මන්තිම නගත් 'ෆ්ෆ	n@)					
		30 ( XIC					
	Ucility		¥				
			al				
8		D14 📲 HD19					

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

#### 3-7.3.1 Time zone

Item	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

Styphana S	age b
BIVIR RECORDER	(RIND 4.612
Time Fermats (P	M 01:21:38
Deales Peorameals (9)	/na//2012
Timezone	
🗹 waylight Saving Time	
Begimmings	
lanuary 12t 3	unday 🖸 AlM 🗸 🗰 🗸
Donefflongs	
lenuary	
(Change Date and Time)	
200	General
Unafilitay	<u>}</u>
	Cancel

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	em Set	Up				
DVD Newwes				(	11.23643	DV R			
Time Formats	(Judy Sun	Referen	Tura	Telescological and the second	C Thu	] 231	2 ) Set	1	
(#165711*o	1	2	8	4	B	G	7		
Deylight 3		g	200	22	12	12	14		
	15	2.6	27	18	19	20	21		
	22	228	22/3	28	23	27	28		
	29	80	191						
	5	2							
Ghanga	0	ଇତ୍ତ ା		81 0		400	5		
		2002			G	tennesed			
UBoRU UPoBU	Baryana								
C		2100	_		G	amaai		)	

#### 3-7.4 Monitor Setup

3340x2160 🗸

리리리리워

1 32 >

1 58 >

1 57 🗅

1 50 )

Border Color:

Ruminences

GODIERSES

Genuentione

lima

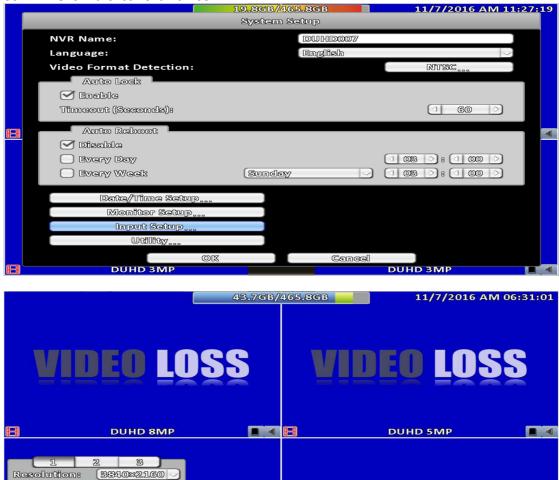
This feature is only support "Maya v2" series models.

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.



VIDEO LO

DUHD 3MP

1 2 8 4

#### Monitor setup

Item	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		<b>a</b> 0 🕈	0 C (9 )	5/29/20	3 PM 04:11:27
	VIDEO LOSS	VIDEO LOSS	Snapshot	VIDEO LOSS	VIDEO LOSS
	🖪 сног 🚺	🗄 сноз 🖪	🗄 сно4 🚺	🖪 сноз 🚺	🖪 сноб 🌠
VIDEO LOSS EI CHO7	VIDEO LOSS El Chob M	VIDEO LOSS El chos M	VIDEO LOSS El CH10	VIDEO LOSS El Chil K	VIDED LOSS
VIDEO LOSS El chis <b>(7</b>	VIDEO LOSS El CH14 KI	wingo	LOSS	VIDEO LOSS El CH15 🕅	VIDEO LOSS EI CH16
VIDEO LOSS	VIDEO LOSS El CH18			VIDEO LOSS	VIDEO LOSS
VIDEO LOSS E CH21	VIDEO LOSS E CH22	VIDEO LOSS El CH23	UIIIEO LOSS El CH24	VIDEO LOSS El CH25	VIDEO LOSS El ch26
VIDEO LOSS	VIDEO LOSS El CH28	VIDEO LOSS E CH29	VIDEO LOSS El CH30	VIDEO LOSS E CH31	VIDEO LOSS CH32

# 3-7.5 Input Setup

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

🗹 Kay Tong					
IR	Panal	Mouse	Kayboard	Touch Screen	
🗹 Enabla IR ID:				(2. 1C02	
Test     Pressed Ke	N/8				
	ØK	3	Can	col	<u>⊳</u>

Item	Description	
Key Tone	Enable / Disable Key Tone.	

#### 3-7.5.1 Remote Control Setup

Kay Tone IR Panel Mouse Kayboard	I Touch Screen
🗹 Enablo	
ur ur	0. 1000
	0. (200
O Room	1. IG01 2. IG02
C Test	5. 0005
Pressed Key:	4. 10:04
	ากณา

Item	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.



🗹 Key Tone				
	anel Mouse	Keyboard	Touch Screen	
- Torret				
Test     Pressed Keys				
	ØK	) (Can	cal	

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

# 3-7.5.3 Mouse Setup

	🗹 Kay To	ng					
1		IR	Panel	Mouse	Keyboard	Touch Screen	
	Speed:			0			
			OK	3	Car		ß

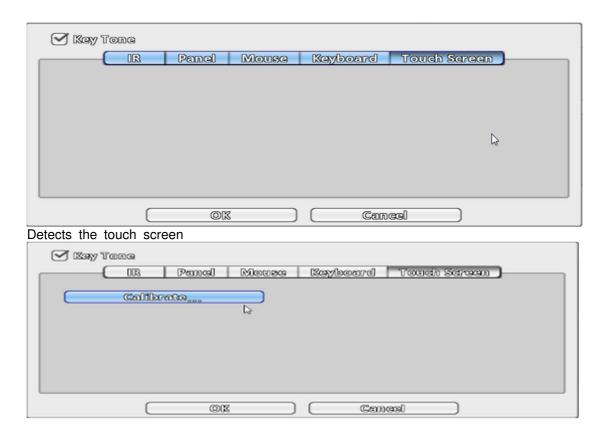
Item	Description
Speed	Setup the mouse cursor speed. The right side of the slider means
opeed	faster mouse speed. (Only valid for local configuration)

3-7.5.4	PTZ	Keyboard	Setup
---------	-----	----------	-------

Kay Tana IR Panal Mau	sa Kaybourd Touch Sarcon
RS=485 ID: RS=485 Baudrate: Kayboard:	19200 - (RINE_CK_104
Test Pressed Key:	
x@	Cancel b

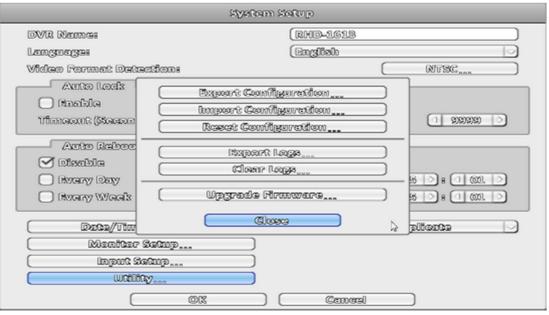
Item	Description	
RS-485 ID	RS-485 ID, valid values range from 1 to 64	
RS-485 Baud rate	RS-485 Baud rate from 2400, 4800, 9600, 19200	
Keyboard	Select PTZ Keyboard	
Test	Enable / Disable keyboard test function	
Press Key	Display press key information	

#### 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"



File Name:	( dwr	
File Type:	(Config Files ((*.efg))	
	OK Cancel	2

Export configuration success			
OK			

b. Save \*.cfg as PC



#### 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.

	Import Configuration
	Import from USB Flash Drive
_	Opan

File Name:		
File Type:	(Config Files ((*.cfg))	
	OK Cancel	R.

Are you sure to import configuration?			
Yes	No		

Import configuration success	
OK	

b. Open \*.cfg from PC



## 3-7.6.3 Reset Configuration

#### Reset the DVR to default settings.

System Setup
DVR Names     RHD-1618       Languages     English       Video Format Detestions     NYSC
Auto Lock     Export Configuration       Inable     Import Configuration       Timeout (Secon     Reset Configuration       Auto R     Are you sure to reset system configuration?
Success to reset system configuration

#### 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 Logs		
Export to USB Flash Drive		
Save as		
File Name:     log       File Type:     CSV Files (*.csv)       OK     Cancel		
Export logs success		

## b.Save \*.csv as PC

	Export Logs	
	Export to USB Flash Drive	
_	Save as	

# 3-7.6.5 Clear Logs

# Clear the system logs.

S/Net	tam Satup
DVR Names	(RHD-1613
Languages	(English
Video Format Detections	(NTSC)
Auto Lock	
	aniiam
Theorem (Borren	anyikanayaan
	to clear system logs?
🗹 Disable 🛛 🗸 🏹 🖓 🖉	
Byggy Day	
C Every Week Upgrad	6 Firmware
( Monitor Schup	)
Input Setup	
( Walliay	)
( OK	Cancel
	OK
styre	fam Loga
(น้าในคาโล	e
Date/Time Event	User/Details
<ul> <li>2018/09/10 15:17:08 Gleen Logs</li> </ul>	[[excloration]]

#### 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

	System	Imformetition	9/10/2013 PM 0
DVR			
Madals		1.050°E	HID-SIDI IPRO (  RIUSIC  )
Wearstoons			2.011533_20012009009
Network			
0.28			122.163.6.67
DARACE			000+1.7/+4.7+000+595+4.1
NIDID			
Recording Scheme:			Continuous Record
Model	Status	Attribute	Free/Capacity
1. SU40000VLM0000-11-51	Recording	overwritable	115-1000/B-CTD
			$\overline{\nabla}$
		S.M.A.R.1	l. Im//commentidicom

#### 3-8.1 DVR Information

Item	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	Information		
DVR				_
Model:		16CH	) HD-SDI Pro ( NTSC )	
Version:			2.0b56_20130909	
Network				_
0128			192.163.3.37	
MAG			00:17:4F:0C:35:41	
				_
Recording Scheme:			Continuous Record	
Model	Status	Attribute	Free/Capacity /	
1 ST4000VM000-1F31	Recording	Overwritable	20.2GB/3.6TB	-
				7
		S.M.A.R.	l. Information	
		Close		à

ID		Value/Worst/Threshold	Raw	
01 Ra	w Read Error Rate	112 / 99 / 6	44392824	
OS Spi	in Up Time	93 // 91 // 0	0	
04 Sta	art/Stop Count	100 / 100 / 20	130	
05 Rg	allocated Sector Count	100 // 100 // 10	0	
07 Sec	ek Error Rate	76 / 60 / 30	47808642	
09 Po	wer-On Hours Count	100 // 100 // 0	793	
0A Spi	in-up Retry Count	100 // 100 // 97	0	
OC Po	wer Cycle Count	100 // 100 // 20	130	
88 Un	kown	100 // 100 // 99	0	
BB Un	kown	100 // 100 // 0	0	

ID	Value/Worst/Threshold	Raw	$\wedge$
BC Unkown	100 / 100 / 0	0	1
BD Unkown	1/1/0	420	]
BE Unkown	66 / 56 / 45	706674722	
BF G-Sense Error Rate	100 // 100 // 0	0	]
CO Power-Off Retract Cycle	100 / 100 / 0	130	
C1 Load/Unload Cycle Cour	nt 100/100/0	130	]
C2 HDA Temperature	34 / 44 / 0	98784247842	1
C5 Current Pending Sector	Count 100/100/0	0	1
C6 Uncorrectable Count	100 / 100 / 0	0	
C7 UltraDMA CRC Error Ra	ta 200 // 200 // 0	0	

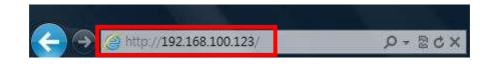
# **REMOTE SOFTWARE INSTALLATION and SETUP**

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

p.s. The DVR currently supports Windows XP SP2 or above >> Windows 7 >> Windows 8/8.1 >> Windows 10.

#### **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.	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       ••••••       Remember my credentials				
	OK Cancel				

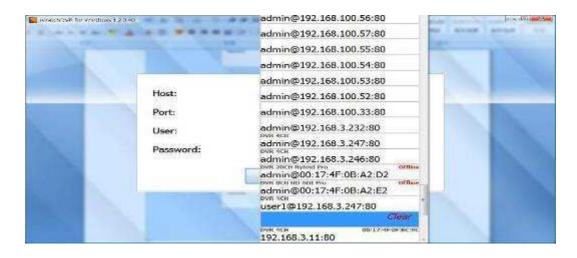
Step 3 : Click on the link "**iWatchDVR for Windows XP/Vista/7/8**" to start downloading the AP software.



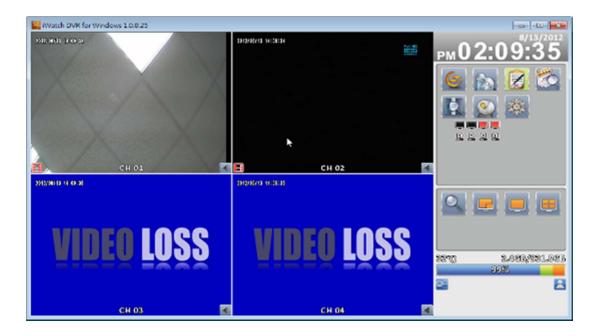
Step 4 : The program can be run directly, or save the program to the remote PC and execute later. If you choose to run the software, Start window will be shown up. Please enter information of login DVR: IP, Port, Username and Password.

Do you want to run or save <b>iWatchDVR.exe</b> (399 KB) from <b>192.168.100</b> .	.123?		×
	<u>R</u> un	Save <b>v</b>	<u>C</u> ancel
Representation of the second	10 + # C (b)	and an annual a	

1000	DVR-3213		100
 Host:	192.168.100.123	•	-
Port:	80		Dist.
User:	admin	1	100
Password:			
	Connect		



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



## 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



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.	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" iWatchDVR for Internet Explorer 9/11 ".



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.

(a) (b) (g) 1602/1921	8.100.124/re.h. Q + C X 1	🗿 WatchDVR 11.16		second most	<b></b> © ∿ 10
	(MARKAR)	12,880/	981.5GB	9/12/20	13 PM 04:51:11
	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	VIDEO LOSS
	🔋 СН02 🌃	🖪 сноз 【	🖪 СНО4 🚺	🔠 сноз 🚺	🖪 СНОБ 🌌
Shielder ()	REALINE R	STREET IN ST	See	101 101 1	orean c
VIDEO LOSS	WIDEO LOSS	WIDEO LOSS	VIDEO LOSS	WIDEO LOSS	VIDEO LOSS
🗐 СН07 🚺	日 снов 🜠	🖪 сноя 🌠	🖪 сн10 📶	🖪 сн11 🗹	🖪 СН12 🛃
MERCI INCO	francis o a	2012/03/12 18 21:11		- Party and the second s	THE REAL POINT
VIDEO LOSS	<b>WIDEO LOSS</b>			WIDEO LOSS	VIDEO LOSS
Е СН13 🛃	🗄 СН14 💽	WINCO	LOSS	🖪 сн15 🕅	🖪 СН16 🚺
2446034244		al a ro a lo	LUQO		and the second s
VIDEO LOSS	WIDEO LOSS			WIDEO LOSS	VIDEO LOSS
🖪 СН17	📔 СН18	00-30	101  🚺	🚼 СН19	📔 СН20
Satures		Sector (MAR)	STREET FAILE	THE RECEIPTION	
VIDEO LOSS	VIDEO LOSS	WIDEO LOSS	WIDEO LOSS	WIDEO LOSS	WIDEO LOSS
🗄 СН21	🖪 СН22	🖪 сн23	🖪 СН24	🖪 СН25	🗄 СН26
	A CONTRACTOR OF A CONTRACTOR O	THE REPORT		NAME AND ADDRESS OF ADDRESS	INFO DE LA COMPANYA
VIDEO LOSS	VIDEO LOSS	VIDEO LOSS	WIDEO LOSS	WIDEO LOSS	VIDEO LOSS
🖪 СН27	🖪 СН28	🖪 СН29	🖪 СНЗО	📙 СН31	🖪 СНЗ2

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

#### Table 3-10.1 System Requirements

-	
CPU	Intel Core 2 Due above
OS	Microsoft Windows 7, Windows Vista, Windows XP SP2 above
RAM	4G above
VGA Card	Needed to support DirectX9.0 (Above) Note 1
Anti-virus soft- ware (firewall)	The TCP destination port 80 should be available.
Others	DirectX 9.0 above

#### Note 1:

Known VGA card that support DirectX9.0 currently:

NVIDIA: GeForce FXseries, GeForce 6series, GeForce 7series, GeForce 8series, GeForce 9series, GeForce 200series, etc.

Or visit: <u>http://en.wikipedia.org/wiki/Comparison of Nvidia graphics pro-</u> cessing units

- ATI: Radeon R300series, Radeon R400series, Radeon R500series, Radeon R600series, Radeon R700series, Radeon HD 3xxx IGPseries, Mobility Radeon series (9500 above), Mobility Radeon X series, Mobility Radeon HD series, or FireGL V series etc. Or visit: http://en.wikipedia.org/wiki/Comparison of ATI graphics processing units
- SiS: SiS 67Xseries, or SiS 77Xseries etc. Or visit: <u>http://www.sis.com/support/support compare.htm</u>
- Intel: 91Xseries, 94Xseries, 96Xseries, G3Xseries, or G4Xseries, etc. Or visit: <u>http://en.wikipedia.org/wiki/Intel\_GMA</u>

# 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.

3. 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

ICH

LÇ

ch1-ch4

0000 (₹...) (₹.©)

ch1-ch4

HQ 4CH

90

ch1-ch4

21

K Log Search

Start Time 2016-10-24 21:05:32 End Time 2016-10-24 21:05:32

Log Types Channels Log

існ ТіТ E C E

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

Time Search

**1**0月 2016

17 18 19 20 21

23 **24** 25 26 27 28 29

CH04

П

Pause

CH04

CH04

4

13 14 15

週日 週一 週二 週三 週四 週五

10 11 12

2 3 4 5 6 7 8

9

16

30 31

O

22

- 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.
  - 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.



K Backup	
uration	
itart Time	
nd Time	
Duration	0 minute(s)
ackup Channel	
Channels	
ackup Space	
System Free Space	
lequired 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.

# Backup Files 192.168.3.7\_CH04\_20161101\_1 28 192.168.3.7\_CH01\_20161101\_09 5225.mp4 21588 192.168.3.7\_CH03\_20161101\_09 5225.mp4 20397 192.168.3.7\_CH03\_20161101\_09 5225.mp4 20397 192.168.3.7\_CH05\_20161101\_01 95225.mp4 257425 192.168.3.7\_CH05\_20161101\_01 95225.mp4 257425 192.168.3.7\_CH05\_20161101\_01 95225.mp4 257425 192.168.3.7\_CH05\_20161101\_01 95225.mp4

# 3-12 P2P Connection Setup

#### How to Setup

- 1. 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.

	Net	work Setu	p			
🔵 Bandwidth Limit	ad		1	3	) (Mbps	5
DHCP	Static IP		PPPOE		36	
🗹 Enable						
- HITTP	DDMS	NTP	Mail Sciur	Ð	FTP	1
🗹 Enabla						_
Ports					0 80	
					() <del></del>	_
Apply Kays	XQAFUF61	RGFRBZ1.KU	JFW2E7MQI	)[	Apply	
					500	
	ØK		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

DVR				
Modeli			SCH () NTSO	s l
Version:			2.0557_2018111	19
Network				_
028			192.163.3.19	90
MAC	28KDGNDY2MU	<b>BUTYSELD (2014/11/12</b>	0081784F82983B80	06
HDD				_
Recording Scheme:			Continuous Reco	rd
Model	Status	Attribute	Free/Capacity	2
				_

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:	28KDGNDY2N	U7BNTYS81D	
Port:		80	1
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



7. Access key information will be shown on Host field

••••>>> 中華電信 令	下午4:23	\$ 48% 🗖
	Add DVR	
Name		
28KDGNDY2MU	J7BNTYS81D	_
	Scan QR code	

Input / modify the rest of fields as appropriate.

Click on Save button on upper right corner.

Login with new settings