

# **User Manual**

## AHD 1080P

2016 APR V1.3



# WARNING

- Do not expose the DVR under the sunlight, heat or wet environment while installation. As it could decrease the performance of DVR and damage the machine.
- Do not touch the power plug or case with wet hands as this could result electric shock.
- Do not forcedly bend or put heavy object on power cable as this could result in injury to personal or equipment.
- Do not operate with damaged power cord or loose electrical outlet as this could result in electric shock or accident.
- Please use individual power instead of share electrical outlets with other electrical equipment as this could result in damage or accident.
- Do not attempt to service this DVR by yourself as it may expose you to dangerous voltage or other hazards. Please refer all service to the qualified servicing distributor.
- Please do not remove the machine housing during operation. It may cause electric shock or accidental injury.



## CAUTION

- Do not place the machine on an uneven surface or it would decrease the DVR efficiency or malfunction.
- Avoid any shock or bumping of the DVR while recording. Improper handling could damage the system.



## CAUTION

Make sure the voltage selector switch is set to appropriate setting before plug in!





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## A. DVR System Operation

- Front Panel Operation
   Please refer to Front Panel Instruction in the User Manual in attached disk.
- 2. Operation with Mouse
  - In LIVE mode: Right click to enter MAIN MENU
  - Click LEFT Key to enter /select menu operation.
  - In MAIN MENU, user can enter SUBNENU by clicking left keys on the icon.
  - Click RIGHT key to quit
  - User can change setting by mouse or virtual keyboard in the menu.



## B. DVR System Operation

### 1. Power ON

Make sure power cable is firmly connected, and then turn on the power. The initial process will take around 20 seconds, buzzer sound will be heard when process is finished.

The default video display is multiple screen display. Recording will start automatically if recording is scheduled, the assigned channel shows red-dot.

Memo:

- 1. Please vertify imput power voltage is coherent to DVR power requirement, firmly plug on the power line befor switch the power on.
- 2. Please refer DVR hardware and power requirement on the specification chart. Strongly recommend connect DVR to a stable power supply, if possible, please connect to UPS system.
- 2. Power ON

User can shut off the system by [MENU] > [Shut Off] > [Comfirm], or to turn off the power on the back panel.

## 3. Function Illustration

CAM01 • <	CAM02 • 4	CAM03 🖌 🖣	2015-11-23 03:39:44 Mon
CAM05 • <	CAM06 • 4	Main Menu Guide Record Mode PlayBack PlayBack PIZ Control HighSpeedPTZ Color Setting Output Adjust PlayBack PlayBack PIZ	CAM08 • •
САМ09 .	CAM10 •	● Logout □ View 1 → □ View 4 → □ View 8 → □ View 9 → □ View 16	CAM12 •
CAM13 •	CAM14 •	CAM15 •	CAM16 •



SYSTEM LOG	IN 🙁
User Name Password	admin
Please Login	
OK	Cancel
	Carleer

In the multi- screen, right click the mouse, and a Quick-menu pop up. Select Main Menu or rest functions, key in Account ID & Password to login. Default Value of Account ID: admin, Password: blank.

4. Display Setup



Select View 1 for monitoring Single screen, optional CAM01~16 single screen.





Select View 4 for monitoring 4 screens, optional CAM1~4 ,4, CAM5~8, CAM9~12, CAM13~16.



Select View 8 for monitoring 8 screens, optional CAM1~8, CAM9~16.



Select View 9 for monitoring 9 screens, optional CAM1~9, CAM8~16.



			2015-11-23 03:41:37 Mon	
CAM01 6 4	CAM02 4 4	CAM03 • •	CAM04 4	■ Main Menu ◆Guide ■ Record Mode
				PlayBack
CAM05 🗸 4	CAM06 # 4	a Main Menu SGuide SRecord Mode PlayBack PTZ Control ↓ HighSpeedPTZ ▲ Alarm Output	CAMOS 4	<ul> <li>♦ HighSpeedPTZ</li> <li>▲ Alarm Output</li> </ul>
		II Color Setting           III Color Setting           III Color Setting           III Color Setting           III View 1           III View 3           III View 9		III Color Setting Color Setting Output Adjust Color Co
CAM09 .	CAM10	CAM11	CAM12	□View 1 →
				■ View 4 ■ View 8
CAM13 •	CAM14	CAM15	CAM16	

Select View 16 for monitoring 16 screens, 16 split screen.



## 5. Main Menu

			2015-11-23 03:39:44 Mon
CAM01 • 1	CAM02 • 4	CAM03 • 1	CAM04 • •
CAM05 e 4	CAM06 • 4	Main Menu     Guide     Record Mode     PlayBack     PTZ Control     HighSpeedPTZ     Alarm Output     Color Setting     Output Adjust	CAM08 • 4
CAM09 •	CAM10 •	■ Logout ■ View 1	CAM12
CAM13 •	CAM14 e	CAM15	CAM16 •





Right click the mouse, select Main Menu and it will pop out, as (Figure 1) & (Figure 2).



### 5.1 Record



## 5.1.1 Record Conf

😞 Main	Menu->Record->Rec	cord Conf.		8	
Channel Length Mode	1 ▼ Redun 60 min PreRed ● Schedule O Ma	dancy 🗌 cord <mark>5</mark> Sec nual O Stop			
Week	Mon 🔻	Regular	Detect	Alarm	
Period 1	00:00 - 24:00	<b>V</b>	<b>V</b>		
Period 2	00:00 - 24:00				
Period 3	00:00 - 24:00			Ο	
Period 4	00:00 - 24:00			Ο	
		Advanced	OK	Cancel	
<u></u>					(Figure 4

ESelect (Figure 3) Record Conf. icon, pop out (Figure 4) page.

Channel : Scroll down window to Set the settings for 1Ch or all Ch, default value is channel 1.

Redundancy : HDD RAID, when install the 2nd HDD, it is able to activate the disk mirror function. It simultaneously uploads the records to another HDD. Default value is Off.

Length : Adjust the time period of recording, at least 1 Min, Max 120 Min. Default value is 60 Min.

Prerecord :



Mode : 3 options: Schedule, Manual & Stop.

Schedule mode: select requested days first, and then select recording mode

& time, total 4 periods of time to choose;

Manual mode: must complete the settings before recording;

**Stop mode**: no recording at all; default value is settings.



## 5.1.2 PlayBack



(Figure 5)



(Figure 6)

PlayBack : Select (Figure 3) PlayBack icon, pop out (Figure 5) page.



a).

	Play	select date & channels, click play button to playback.
(3)	Pause	Pause the video
	Back forward	Rewind Play Video
	Stop	Stop video playback
	Slow playback	4 speed options: 1X \ 2X \ 3X \ 4X. Return to normal speed, just click play button once again.
3	Fast rewind	4 speed options: 1X × 2X × 3X × 4X. Return to normal speed, just click play button once again.
	Fast forward,	4 speed options: 1X \ 2X \ 3X \ 4X. Return to normal speed, just click play button once again.
X	Click pause rewind button	rewind the image frame by frame.
R	Click pause playback button	playback the image frame by frame.
HAA	Previous file button	back to last hour file and playback.
A	Next file button	go to next hour file and playback.
3	Click repeat button	icon becomes to . , repeat same file.
Ð	Click full screen button	enlarge the image. Click one more time back to normal.
	Click scissors button	let icon becomes to a, select requested period of time, and click one more time to backup the file.
	While using	this function will be activated. Save modified file to USB (Flash disk).



scissors	
button	

b).

🔽 All 😾 Regular 😡 Alarm 😾 Manual	Playback selected options; default
	value is select all.
Sync Mode	Select this function, click pause button or others to make it active; without selecting this function, only single Channel works.
● 24hr ● 2hr ● 1hr ● 30mi	Select more accurate timing for playback, such as 24hr, 2 hr, 1 hr, 30 min; default value is 24 hr.

c). Essential contract contrac

click return to date searching page.



Right click mouse, a dialogue pops out.

UpWindow: Click to return previous layer, and back to Record page.

Stop playback : Click to stop, select "Stop playback" to stop playing.

Full screen display: Click "Full screen" to enlarge images to maximum,

and then right click mouse to close full screen.

Single screen : Select single screen, choose 1~16 Ch to playback.

Four screens : Available options Ch1~4, Ch 5~8, Ch 9~12, Ch 13~16 to playback.

Nine screens : Available options Ch1~9, Ch 8~16.



#### 5.1.3 Backup

Backup: Select (Figure 3) Backup icon, get into (Figure 6) page. ☐ Name(Type)
☑ sdb1(USB DISK) Remain/Total 7.37 GB/7.46 GB Detect Backup Burning Erase Stop Cancel (Figure 6) All ▼ Read/Write ▼ Туре Start Time 📕 2013 - 07 - 11 12: 00: 00 AM Remove End Time 🗾 2013 - 07 - 11 06: 21: 02 PM Add 
 Channel
 File Name
 Add

 □
 Channel
 File Name
 01
 2013-07-11/00.00.00-01.00.00[R].h264

 □
 01
 2013-07-11/01.00.00-02.00.00[R].h264
 01
 2013-07-11/02.00.00-03.00.00[R].h264

 □
 01
 2013-07-11/02.00.00-04.00.00[R].h264
 01
 2013-07-11/04.00.00-05.00.00[R].h264

 □
 01
 2013-07-11/05.00.00-06.00.00[R].h264
 01
 2013-07-11/05.00.00-06.00.00[R].h264

 □
 01
 2013-07-11/05.00.00-06.00.00[R].h264
 01
 2013-07-11/06.00.00-07.00.00[R].h264

 □
 01
 2013-07-11/07.00.00-08.00.00[R].h264
 01
 2013-07-11/06.00.00-07.00.00[R].h264
 Length 40.29 N= 40.77 N 41.00 N 41.01 N 1 234567 40.72 N 40.61 N 40.86 N 40.54 N Required/Remaining:746.97 MB/7.37 GB Backup format H264 Start Cancel (Figure 7) Capacity 7.46 GB Left Capacity 7.37 GB Burn't Capacity 0.00 KB Total Duration 00:00:00 Cancel (Figure 8)

Detect : Plug in USB storage device, click detect to search USB

storage which will be shown in window, like (Figure 6).



Backup : Select backup icon to get into (Figure 7) page. Type : All < External alarm < Motion detection < All alarm < Manual < Normal; default value is All channels. Channel : select which channels need to Backup, optional from Ch1~16; default value is Ch1. Start Time : select what time need to start backup. End Time : select what time to end backup. Remove : Remove selected files. Add : Add selected types or channels. Backup format : select H264 or AVI; default value is H264. Burning : Select Burning icon to get into (Figure 8) page, enable to save any one Channel's record into an USB storage device Synchronously. Erase : Format selected USB storage device. Stop : While backup, click stop icon to stop backup.

#### 5.2 Alarm

Imm: Select (Figure 2) Alarm icon, get into (Figure 9) Page.





Channel			<b>V</b>	
	Middle		Set	
Period	Set			
Alarm Output	1	Delay	10 Sec.	
Record Channe	1234	567891	0 1 1 1 2 1 3 1 4 1 5 1 6	
	1234	567891	0 16 12 16 14 15 16	
PTZ Activation	Set	Record de	lay 10 Sec.	
Show Message		Send Ema		
		FTP uploa		
		Advance	d OK C	ancel

(Figure 9)

(Figure10)



## 5.2.1 Motion Detect

Select (Figure 9) Motion Detect icon, get into (Figure 10) page.

Channel : setup ch1~ ch 16 for individual settings, also can setup for all channels.

Enable : Select to setup for the Motion Detect functions; default value is Off.

Sensitivity : Set the sensitivity level, from lowest < lower < middle < higher < much higher < highest, 6 options. Default value is middle.

Region: Select triggered area, as (Figure 11); default value is all area.

Period : setup the alarm settings from Monday to Sunday, Any 4 days.

Interval : Time between each trigger, 1 ~600 Sec.

Alarm Output : According to the settings to trigger alarm output; default value is Off.

Delay: A time period to record after triggering motion detect alarm, option: 10 ~ 300 Sec; default value is 10 Sec.

Channel Recording : Select which channel to record after motion detect is triggered; default value is Off.

Tour : Channel pops out after alarm is triggered. If select all channels, it jumps from Ch 1 to ch16 in sequence; default value is Off.

PTZ Activation : Setup the PTZ function from Ch1 ~ Ch16, as (Figure 12).

Record delay : The recording duration after the buzzer being triggered. Option:

10 ~ 300 Sec; default value is 10 Sec.

Show message : Setup for a prompt message show on the screen when motion alarm is triggered; default value is Off.

Send Email : Setup to send triggered Message to assigned email address when motion alarm is triggered; default value is Off.

Buzzer : Setup for buzzer beeping after motion alarm is triggered; default value is off.

FTP Upload : Setup to upload photos to assigned FTP server when motion alarm is triggered.

## 5.2.2 Video Blind



(Figure 13)

Channel : setup ch1~ ch 16 for individual settings, also can setup for all channels.

Enable : Select to setup for the Video Blind functions; default value is Off.

Sensitivity : Set the sensitivity level, from lowest < lower < middle < higher < much higher < highest, 6 options. Default value is middle.

Period : : setup the Video Blind from Monday to Sunday, Any 4 days.



Alarm Output : According to the settings to trigger Video Blind output; default value is Off.

Delay: A time period to record after triggering Video Blind, option: 10 ~ 300 Sec; default value is 10 Sec.

Record Channel : select which channel to record after Video Blind is triggered; default value is Off.

Tour : Channel pops out after Video Blind is triggered. If select all channels, it jumps from Ch 1 to ch16 in sequence; default value is Off..

PTZ Activation : Set the PTZ function from Ch1 ~ Ch16, like (Figure 12).

Record Delay: The recording duration after the buzzer being triggered Video Blind. Option: 10 ~ 300 Sec; default value is 10 Sec.

Show message : Setup for a prompt message show on the screen when Video Blind is triggered; default value is Off.

Send Email : Setup to send triggered Message to assigned email address when Video Blind is triggered; default value is Off.

Buzzer : Setup for buzzer beeping after Video Blind is triggered; default value is Off.

FTP Upload : Setup to upload photos to assigned FTP server when Video Blind is triggered.

## 5.2.3 Video Loss

	Main Menu->	Alarm->Vide	o Loss		
	Channel	1	Enable		
	Deried				
	Alarm Output	Set	Delay	10 Sec.	
	Record Channel	12345	67891011	1213141516	
-	PTZ Activation	Set	Record delay	10 Sec.	
	Show Message		Send Email		
	Buzzer		FIP upload		
			Advanced	ок	Cancel
*					

Channel : setup ch1~ ch 16 for individual settings, also can setup for all channels.

Enable : Select to setup for the Video Loss functions; default value is Off. Period : setup the Video Loss from Monday to Sunday, Any 4 days. Alarm Output : According to the settings to trigger Video Loss output; default value is Off.

Delay: A time period to record after triggering Video Loss, option: 10 ~ 300 Sec; default value is 10 Sec.

Record Channel : select which channel to record after Video Loss is triggered; default value is Off.

Tour : Channel pops out after Video Loss is triggered. If select all channels, it jumps from Ch 1 to ch16 in sequence; default value is Off..

PTZ Activation : Set the PTZ function from Ch1 ~ Ch16, like (Figure 12).

Record Delay : The recording duration after the buzzer being triggered Video

Loss. Option: 10 ~ 300 Sec; default value is 10 Sec.

Show message : Setup for a prompt message show on the screen when Video Loss is triggered; default value is Off.

Send Email : Setup to send triggered Message to assigned email address when Video Loss is triggered; default value is Off.

Buzzer : Setup for buzzer beeping after Video Loss is triggered; default value is Off.

FTP Upload : Setup to upload photos to assigned FTP server when Video Loss is triggered.

## 5.2.4 Alarm Input



: Select (Figure 9) Alarm Input icon, get into (Figure 15) page.

Channel : setup ch1~ ch 16 for individual settings, also can setup for all channels.

Enable : Select to setup for the Alarm Input functions; default value is Off.

Type: Setup Normal open or Normal close; default value is Off.

Period : setup the Alarm Input from Monday to Sunday, Any 4 days.

Alarm Output : According to the settings to trigger Alarm Input; default value is Off.

Interval : Time between each trigger, 1 ~600 Sec.

Alarm Output : According to the settings to trigger alarm output; default value is Off.

Delay: A time period to record after triggering Alarm Input, option: 10 ~ 300 Sec; default value is 10 Sec.

Record Channel : select which channel to record after Alarm Input is triggered; default value is Off.

Tour : Channel pops out after Alarm Input is triggered. If select all channels, it jumps from Ch 1 to ch16 in sequence; default value is Off.

PTZ Activation : Set the PTZ function from Ch1 ~ Ch16, like (Figure 12).

Record Delay : The recording duration after the buzzer being triggered Alarm Input. Option: 10 ~ 300 Sec; default value is 10 Sec.

Show message : Setup for a prompt message show on the screen when Alarm Input is triggered; default value is Off.

Send Email : Setup to send triggered Message to assigned email address when Alarm Input is triggered; default value is Off.

Buzzer : Setup for buzzer beeping after Alarm Input is triggered; default value is Off.

FTP Upload : Setup to upload photos to assigned FTP server when Alarm Input is triggered.

5.2.5 Alarm Output(This function is only available in selected DVR models)



(Figure 16)

Select (Figure 9) Alarm Output icon, get into (Figure 16) page.



## 5.2.6 Abnormality

🖉 🔁 Əlarm > Abnorn	nality	
Event Type No Enable 🗸	o Storage ▼	
Show Message & Buzzer & Mobile reported & Send Email &	OK Cancel	(Figure 17)

Select (Figure 9) Abnormality icon, get into (Figure 17) page.

Event Type : Optional: No Disk, Disk Error, Disk No Space, Net Disconnection, IP conflict...etc.

Enable : Select to setup for the Abnormality function; default value is Off.

Show message : Setup for a prompt message show on the screen when Abnormality is triggered; default value is Off.

Buzzer : Setup for buzzer beeping after Abnormality is triggered; default value is Off.

Send Email : Setup to send Abnormality Message to assigned email address default value is Off.



## 5.3 System



System : Select (Figure 2) System icon, get into (Figure 20) page.

## 5.3.1 General

🕐 😵 Main Menu-3	>System->Ger	neral		×
System Time Date Format Date Separator Time Format Language HDD Full DVR No. Video Standard Auto Logout Machine Name	2013 - 06- 24 YYYY MM C 24-HOUR ENGLISH Overwrite 0 NTSC 0 LocalHost	<ul> <li>16: 41: 38</li> <li>DST</li> <li></li></ul>		
			OK Can	cel

(Figure 21)



YMain Menu->System->General	
System Time 2013 - 06 - 24 16: 42: 33 Date Format YYYY MM C DST	
L Day of Week O Date Start: Jan V 1st V Mon V 01 : 01 End: Jan V 1st V Mon V 01 : 01 OK Cancel	
OK Cancel	(Figure 22)
v Main Menu->System->General S	
System Time 2013 - 06 - 24 16: 42: 12 Date Format YYYY MM C DST	
System Time       2013 - 06 - 24       16: 42: 12         Date Format       YYYY MM L ▼       DST         Date Senerator       □       □         DST       □       □         V Enable       ○       Day of Week ●       Date         Start:       □       2013 - 01 - 01       01: 01         End:       □       2013 - 01 - 01       01: 01	
System Time       2013 - 06 - 24       16: 42: 12         Date Format       YYYY MM L ▼       DST         Data Senaratar       □       □         DST       ✓       Enable         ○       Day of Week ●       Date         Start:       □       2013 - 01 - 01       01: 01         End:       □       2013 - 01 - 01       01: 01         ✓       OK       Cancel	
System Time       2013 - 06 - 24       16: 42: 12         Date Format       YYYY MM E ◆       DST         Data Separater	



Select (Figure 21) General icon, get into (Figure 21) page.

System Time : Setup current Year, date & time.

Date Format : Time format setup, set up of YYYY/MM/DD, MM/DD/YYYY,

DD/MM/YYYY, the default value is YYYY/MM/DD.

Date Separator : Options:-./, date presents by selected symbol; The default value is -.

Time Format : Set: 24-HOUR or 12-HOUR; The default value is 24-HOUR. Language : There are 28 languages can select.

HDD Full : Setup Overwrite HDD or stop writing while HDD is full; The default value is Overwrite.

DVR No. : Set DVR No., Options: 0 ~998 ; The default value is 0.

Video Standard : Set Video Standard, NTSC or PAL.

Auto Logout : After a period of time without using, it requests to input Password to access Menu, options: 0 ~ 60 Min, 0 means no Password required; default value is 0.



Machine Name : Setup the Name of DVR, maximum 32 characters ; default value is LocalHost.

Daylight Saving Time : Set Day of Week (Figure 22) & Date(Figure 23), it will add 1 hour for assigned time.

## 5.3.2 Encode

🥖 🔤 System > Enc	ode				
Channel	1	<u>ק</u>			
Compression	H.264	Ę	Extra Stream	-	
Resolution	AHD-H/1080	5	CIF		
Frame Rate(FPS)	15	-	12		
Bit Rate Type	VBR	5	VBR		
Quality	high	-	low		
Bit Rate(Kb/S)	2315	-	183	-	
I Frame Interval	2	-	2		
Video/Audio			Image: Contract of the second seco		
Coding mode	High Profile	-			
		A	dvanced	C	DK Cancel
				_	

(Figure 24)

UTF8

select (Figure 20) Encode icon, get into (Figure 24) page.

Channel : setup ch1~ ch16 for individual settings, also can setup for all channels.

Compression : H.264 & extra stream, H.264 for DVR recording model, extra stream for web or smart phone monitor mode.

Resolution : H.264 Resolution for device playback :

AHD-H/1080P(1920x1080) 、AHD-M/720P(1280x720) 、

AHD-L/960H(960x480) \ D1(704x480),

Resolution for Extra stream : QCIF(176x120) \ CIF(352x240).

Frame Rate(FPS) : AHDH/1080P max NTSC:15 FPS,PAL 15 FPS

AHD-M/720P max NTSC:25 FPS,PAL 25 FPS AHD-L/960H max NTSC:30 FPS,PAL 25 FPS D1 max NTSC: 30 FPS, PAL: 25 FPS; QCIF & CIF max NTSC/PAL: 30 FPS.

Bit Rate Type : Variable (VBR) & Constant (CBR) bit rate.

Quality : Several options, from low to highest; default value is high.

Bit Rate(Kb/s) : It depends on selected resolution and FPS; default value as shown in Figure 24.

1 Frame Interval : Optional from 2 ~ 12.

Video/Audio : Select enable Video & Audio, default value is Video On/ Audio Off.



## 5.3.3 Network

🖉 Main Menu->	System->Network	
Net Card	Wire Netcart - DHCF	<sup>p</sup> Enable
IP Address	192 . 168 . 1 . 10	
Subnet Mask	255 . 255 . 255 . 0	
Gateway	192 . 168 . 1 . 1	
Primary DNS	168 . 95 . 1 . 1	
Secondary DNS	168 . 95 . 192 . 1	
Media Port	34567	
HTTP Port	80	
HS Download		
Transfer Policy	Quality Pref∈ ▼	
		OK Cancel

Select (Figure 20) Network icon, get into (Figure 25) page.

This figure is only available while connect to IP router.

Net Card : Wire Netcard.

DHCP Enable : Select to auto dispatch IP, unable select is need to key in IP manual.

IP Address : Input correspondence IP address; default value is 192.168.1.10. Subnet Mask : Input correspondence Subnet Mask; default value is 255.255.25.0.

Gateway : Input correspondence gateway; default value is 192.168.1.1. Primary DNS : Input primary DDNS server; default value is 192.168.1.1. Secondary DNS : Input secondary DDNS server; default value is 8.8.8.8.

Media Port : Input Media Port; default value is 34567.

HTTP Port : Input HTTP Port; default value is 80.

Transfer Policy : Options: Adaptive 
Quality Preferred 
Fluency Preferred;
default value is Quality Preferred.



## 5.3.4 NetService

😵 😵 System > NetSe	rvice		
NetService	Net Server Info		
PPPoE	0:	1	
NTP	0: NTP:10	// /	
EMAIL	0: Your SMTP Server:25	// /	
IP FILTER	0: :0 :0	// /	
DDNS	DDNS Set Invalid	// / / / / / / / / / / / / / / / / / /	
FTP	0: FTP	// /	
AlarmServer	0:	// / / / / / / / / / / / / / / / / / /	
Wireless Config	Not enabled	// /	
UPNP	0	// /	
Wifi	Not enabled	/         /	
RTSP	1: 554	// /	
Cloud	Connected	// /	
PMS	0: push.umeye.cn: 80		
	OK	Cancel	(

(Figure 26)

Service : Select (Figure 20) NetService icon, get into (Figure 26) page.

PPPOE : After selected, click set, keyin account & Password of PPPOE and save to create an IP; default value is Off.

NTP : Network Time Protocol, setup to adjust current local time; default value is Off.

Email : After alarm is triggered, send messages to assigned email address; default value is Off.

IP Filter : Setup the Restricted Type: Blacklist & Whitelist; default value is Off.

DDNS : Set DDNS IP via IE browser, DDNS types: CN99 \ DynDns \ Oray \

NO-IP · MYQ-SEE; default value is Off.

FTP : Set FTP, send an alarm triggered message via FTP, default value is Off. ARSP : Input ARSP server; default value is Off.

AlarmServer : Set Alarm Server; default value is Off.

Wireless Config : Set Wireless Config; default value is Off.

Mobile Monitor : Monitoring DVR via mobile phone, default PORT is 34599; default value is On.

UPNP : Set UPNP; default value is Off.

WiFi : Connect USB dongle to receive WiFi signal; default value is Off.

RTSP : Input RTSP\_PORT; default value is 554.



## 5.3.5 GUI Display



isplay	:	Select (Figure	20) GUI	Display	Icon, g	get into	(Figure	27)	page.

Channel Title : Setup the title name for 16 channels, as (Figure 28).

Time Display : Select to display time; default value is On.

Channel Title : Select to display channel titles; default value is On.

Record Status : Select to display record status; default value is On.

Alarm Status : Select to display alarm status ; default value is On.

Deflick : Prevent images flicking; default value is On.

Transparency : Adjust the transparency of dialogue GUI.

Resolution : Adjust the resolution for VGA & HD OUT, default value is VGA, 1920\*1080.

Channel : Select ch1 ~ ch16.

Region Cover : Choose which channel to display after selected, Ch 1 to 4, and assign positions.

Time display & Channel Title : Adjust the positions of time display and channel title.





## 5.3.6 PTZ Config

	🖉 🌢 Main N	Menu->Syst	em-:	>PTZ Config				×
Í	PTZ Devic	ce		RS485 Dev	rice			
	Channel		-					
	Protocol	PELCOD	-	NONE				
	Address	1		1				
	Baudrate	9600	-	9600	-			
	Data Bits	8	F	8	-			
	Stop Bits	1	P	1				
	Parity	None	P	None	-			
						ОК	Canc	el
U								

z config : Select (Figure 20) PTZ Config icon, get into (Figure 29) page.

Channel : Select Ch 1 ~ 16.

Protocol: 22 options can select; default value is PELCOD.

Address : PTZ address Number; default value is 1.

Baud rate : 8 options can select; default value is 9600.

Data Bits : 4 options can select; default value is 8.

Stop Bits : 2 options can select; default value is 1.

Parity: 4 options can select; default value is None.

## 5.3.7 RS232

6	PMain I	Vienu->Syste	m->RS232	2	_		×		
Fu	nction	NONE							
Ва	udrate	115200	-						
Da	ta Bits	8	-						
Sto	p Bits	1	-						
Pa	rity	None							
•							-		
					OK	Can	cel	(Figure 3	30)
								(guio (	)

RS232 : Select (Figure 20) RS232 icon, get into (Figure 30) page.



Function : 5 options can select; default value is NONE. Baud rate : 8 options can select; default value is 115200. Date Bits : 4 options can select; default value is 8. Stop Bits : 2 options can select; default value is 1. Parity : 4 options can select; default value is None.

### 5.3.8 Tour

ſ	🖉 🖉 Main Menu->Sys	rem->Tour	
	Enable Tour Interval View 1 View 4 View 8 View 9 View 16	Sec.         5         2 3 4 5 6 7 8 9 10 11 12 13 14 15 16         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3 4         1 2 3         1 2 3         1 2 3         1 2 3         1 2 3         1 2 3         1 2 3         1 3 4 5 6 7         1 4 5 6 7         1 5 6 7         1 7 8 9 10 11 12 13 14 15 16	
	Interval Return after finished	5Sec.	
		OK Cancel	(Figure 31)

Select (Figure 20) Tour icon, get into (Figure 30) page.

Enable Tour : Enable the auto switching tour function; default value is Off. Interval : Set the switching tour time, min 5 Sec, max 120 Sec; default value is 5 Sec.

View 1 : Set single screen for each switch tour; default value is All open.

View 4 : Set 4 screens for each switch tour; default value is All open.

View 8 : Set 8 screens for each switch tour; default value is All open.

View 9 : Set 9 screens for each switch tour; default value is All open.

View 16 : Set 16 screens for each switch tour; default value is All open. Alarm Tour Type :

Interval : Set the switching time when alarm is triggered, min 5 Sec, max 120 Sec; default value is 5 Sec.

Return after finished : Return to Live image after alarm end.



## 5.3.9 Digital

 Main Menu/ System/Digital
 Set channel mode. User can set the channel model here.



a). Channel Type : When setting resolution of cameras, ANALOG means analog cameras, NETWORK means IP cameras. Choose "Channel Type", you will have the following different setting views: 4CH models; ; 8H models.16CH models.

## 1)4CH models





## 2)8CH models

	≝ ChannelTy	pe				×	
$\square$	Lo	ocal	IP				
A	HDH/1080P	AHDNH/1080N	1080P	960P	ЗM	5M	
	8						
	] .	8					
	] 4		4			.	
	] .		8			.	
	] .			16		•	
						4	
	] .	•			4	· ·	
		mali 4					
	аураск спаг	mer. 4					
M	aximum num	ber of preview: 8					
				0	ĸ	Cancel	

## 3)16CH models

	"ChannelTy	pe				<b>X</b>			
$\square$	Lo	ocal		IF	>				
A	HDH/1080P	AHDNH/1080N	1080P	960P	3M	5M			
	16								
		16							
	8								
	8								
	8		8						
			8	8		•			
					8	· ·			
						4			
Pla	Playback channel: 16								
				C	К	Cancel			



5.3.9.1 Normal recording: Only analog cameras need to be recorded.

■ 4CH

Ch	nannelTy	/pe			×
	L	ocal		IP	
AHD	H/1080P	AHDNH/1080N	1080P	960P	3M
	4				
		4			
	2		2		
			8		
				8	
					4
Playba	ack char	nnel: 4			
Maxim	hum num	ber of preview: 4			
				ОК	Cancel

In the 4CH ChannelType, choose different modes to record videos of different resolutions. For example, choose AHDH/1080P\_4CH mode to record 4 channel AHDH/1080P videos.

And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.

#### ■ 8CH

	Chan	nelTy	ре				<b>X</b>
$\left[ \right]$		Lo	ocal		IF	>	
I f	AHDH/10	080P	AHDNH/1080N	1080P	960P	3M	5M
	8						
			8				
[	□ 4			4			.
[	□ .			8			.
[	□ .				16		
[	□ .						4
[	□ .					4	.
	Playhack	chan	nel 4				
Γ.		onun					
Π ν	vlaximum	i num	ber of preview: 8				
							Cancel

In the 8CH ChannelType, choose different modes to record videos of different resolutions. For example, choose AHDH/1080P\_8CH mode to record 8 channel

AHDH/1080P videos. And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.



■ 16CH

	hannelTyp	e				
	Loc	cal		IF	<b>b</b>	
AHD	H/1080P 🛛	AHDNH/1080N	1080P	960P	3M	5M
	16					
		16				
	8					
	8					
님	8		8			
			ð	ð		
					Ö	1
						4
Playb	ack chann	el: 16				
				0	K	Cancel

In the 16CH Channeltype, choose different modes to record videos of different resolution. For example, choose AHDH/1080P\_16CH mode to record 16 channel AHDH/1080P videos.And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.

- 5.3.9.2 Hybrid recording: Both analog cameras and IP cameras need to be recorded.
  - 4CH

<b>1</b> 0	ChannelType					
	L	ocal		IP		
AHD	H/1080P	AHDNH/1080N	1080P	960P	3M	
	4					
	•	4	2			
			8			
				8		
					4	
Playb	back char	nnel: 2				
Maxi	mum num	ber of preview: 4				
				ок	Cancel	

In the 4CH ChannelType, choose different analog/IP combination (modes) to record videos of different resolutions. For example, choose Analog AHDH\_2CH/Network 1080P\_2CH mode to videos. And maximum tunnel of replay supported is shown below.



## After clicking OK, the DVR will request to reboot the system.

 Main Menu/ System/Digital
 System/Digital
 After rebooting, there will be three settings available: Digital Channels, Channel status and ChannelType, because Network ChannelType recording is added.





- Digital channels
- Main Menu/ System/Digital/ Digital channels
- Figure 1 (1998) Sector 1 (1998) S

🖉 🖘 Digital channels 🛛 🔀						
Channel Time Sync Connection m Network Conf	3 3 4 All duration list	Enable     Decode Order Middle				
0 Config	<u>ur. name</u> Devic	se Type IP Address IP Chan				
Add	Add Delete Advanced OK Cancel					

- a). Channel: Set the NETWORK channels one by one or set all channels at once to have the same settings.
- b). Enable: Check it to enable the setting function. Default is unchecked.
- c). Time synchronization: Check it to synchronize connected IP cameras/DVRs with the system time on DVR.
- d). Decode Order: Choose modes of network transmission, Real time first/Middle/ fluency first. Default: Middle.
- e).Connection Mode: Single Connection/Multiple Connection. Multiple Connections can connect several IP Cams/DVRs to a single channel and switch between them. Default : Single Connection.
- f). Add: Search available IP Cam/DVR for connection.
- g). Delete: Delete the selected IP Cam/DVR from the list.



- Main Menu/ System/Digital/ Digital channels/ Remote access configuration
- Add : Choose "Add" to do the Remote access configuration. Choose Search to find all available IP Cam/DVR and select which one to connect.

## Remote access configuration

Port 34567 Username admin Password 0 Device Name MAC IP Address Po	configur, name levice Type lemote access	chConfig01 IPC 1	Protocol     Stream	NETIP • Main Stream •	
0 Device Name MAC IP Address Po	fort Isername	34567 admin	Password		
	0 Device (	Vame	MAC	IP Address	Port

- a). Configure name: Edit device name. Default: chConfig01.
- b). Device Type: Choose IPC DVR or HVR. Default: IPC.
- c). Remote access: Set remote access. Value: 0~65535.
- d). Protocol: Use NETIP or ONVIF. Default: NETIP.
- e). Stream: Main stream or Sub stream. Default: Main stream.
- f). Device address: Show the IP address of the selected IP Cam/DVR.
- g). Port: Display the port of the selected IP Cam/DVR.
- h). Username: Input the Username of the IP Cam/DVR. Default: admin.
   Password: Input the password of the IP Cam/DVR. Default: (BLANK).
- ♦ Channel status
- Main Menu/
   System/Digital /
   Channel status

Channel status : display the connection status of each NETWORK channel.

Channel	status		× ×
Channel D03 D04	<u>Stream</u> 1080P 1080P	Mainstream/Sub-Stream Unknown Unknown	Connection Sta NoConfig NoConfig
			Cancel



■ 8CH

) 20	hannelTy	rpe				8
	L	ocal		IF	2 2	
AHD	H/1080P	AHDNH/1080N	1080P	960P	3M	5M
	8	8	:	•	•	:
	4		4			
			8			
				16		.
						4
					4	·
Playb	ack char	nnel: 4				
Maxir	num num	ber of preview: 8	5			
				C	K C	Cancel

In the 8CH ChannelType, choose different analog/IP combination (modes) to record videos of different resolutions. For example, choose Analog AHDH/1080P\_4CH/Network 1080P\_4CH mode to videos. And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.

- Main Menu/
   System/Digital
- After rebooting, there will be three settings available:
   Digital Channels,
   Channel status and
   ChannelType, because
   Network ChannelType
   recording is added.





- Digital channels
- Main Menu/ System/Digital/ Digital channels
- Digital charmel: You can set the target IP cameras or DVRs that you want to record.

🖉 🛶 Digital channel	S	8
Channel	5	Enable
Time Sync	5	Decode Order Middle
Connection mode	6 7	
Network Configura	8	
0 Configur. na	All	pe IP Address IP Chan
	ate	
	1	Advanced OK Cancel

- h). Channel: Set the NETWORK channels one by one or set all channels at once to have the same settings.
- i). Enable: Check it to enable the setting function. Default is unchecked.
- j). Time synchronization: Check it to synchronize connected IP cameras/DVRs with the system time on DVR.
- k). Decode Order: Choose modes of network transmission, Real time first/Middle/ fluency first. Default: Middle.
- Connection Mode: Single Connection/Multiple Connection. Multiple Connections can connect several IP Cams/DVRs to a single channel and switch between them. Default : Single Connection.
- m). Add: Search available IP Cam/DVR for connection.
- n). Delete: Delete the selected IP Cam/DVR from the list.



- Main Menu/ System/Digital/ Digital channels/ Remote access configuration
- Add : Choose "Add" to do the Remote access configuration. Choose Search to find all available IP Cam/DVR and select which one to connect.

## Remote access configuration

Configur. name	chConfig01			
Device Type	IPC	<ul> <li>Protocol</li> </ul>	NETIP •	
Remote access	1	Stream	Main Stream -	
Device address	192.168.1.20		Network	
Port	34567			
Jsername	admin	Password		
0 Device N	lame	MAC	IP Address	Port

- a). Configure name: Edit device name. Default: chConfig01.
- b). Device Type: Choose IPC DVR or HVR. Default: IPC.
- c). Remote access: Set remote access. Value: 0~65535.
- d). Protocol: Use NETIP or ONVIF. Default: NETIP.
- e). Stream: Main stream or Sub stream. Default: Main stream.
- f). Device address: Show the IP address of the selected IP Cam/DVR.
- g). Port: Display the port of the selected IP Cam/DVR.
- h). Username: Input the Username of the IP Cam/DVR. Default: admin.
- i). Password: Input the password of the IP Cam/DVR. Default: (BLANK).

 Main Menu/ System/Digital / Channel status

 $\sim$ 

Channel status : display the connection status of each NETWORK channel.

Channel status





Cł	nannelTy	pe				×
	Lo	ocal		IF	þ	
AHD	H/1080P	AHDNH/1080N	1080P	960P	3M	5M
	16					
		16				
	8					
	8				•	
	ŏ		ŏ			
		•	õ	ö		
					0	1
						-
Playb	ack chan	nel: 8				
				C	рК —	Cancel

In the 16CH ChannelType, choose different analog/IP combination (modes) to record videos of different resolutions.For example, choose Analog AHDH\_8CH/Network 1080P\_4CH. And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.



- Main Menu/ System/Digital
- After rebooting, there will be three settings available: Digital Channels, Channel status and Channel Type, because Network Channel Type is added.



## Digital channels

- Main Menu/ System/Digital/Digital channels
- Digital channels : You can set the target IP cameras or DVRs that you want to record.

Digital channel	S	×
Channel Time Sync Connection mode Network Configura 0 Configur. na	9 9 10 11 12 13 14 15 16 All	Enable Decode Order Middle Synchronization resolution pe IP Address IP Chan
Add Dele	li ete	Advanced OK Cancel

- a). Channel: Set the NETWORK channels one by one or set all channels at once to have the same settings.
- b). Enable: Check it to enable the setting function. Default is unchecked.
- c). Time synchronization: Check it to synchronize connected IP cameras/DVRs with the system time on DVR.
- d). Decode Order: Choose modes of network transmission, Real time first/Middle/ fluency first. Default: Middle.
- e). Connection Mode: Single Connection/Multiple Connection. Multiple Connections can connect several IP Cams/DVRs to a single channel and



switch between them. Default : Single Connection.

- f). Add: Search available IP Cam/DVR for connection.
- g). Delete: Delete the selected IP Cam/DVR from the list.
- ◆ Remote access configuration
- Main Menu/ System/Digital/ Digital channels/ Remote access configuration
- Add : Choose "Add" to do the Remote access configuration. Choose Search to find all available IP Cam/DVR and select which one to connect.

R	amote acc	ass configuri	ation		×
Configur. name Device Type IP Channel Device address		chConfig01 IPC    Protocol 1 Stream 192.168.1.20		NETIP   Main Stream  Network	
Port Userr	name	34567 admin Password			
0	Device N	ame Ili	MAC	IP Address	Port
	Protoc	ol All	Search	ок с	ancel

- a). Configure name: Edit device name. Default: chConfig01.
- b). Device Type: Choose IPC DVR or HVR. Default: IPC.
- c). Remote access: Set remote access. Value: 0~65535.
- d). Protocol: Use NETIP or ONVIF. Default: NETIP.
- e). Stream: Main stream or Sub stream. Default: Main stream.
- f). Device address: Display the IP address of the selected IP Cam/DVR.
- g). Port: Display the port of the selected IP Cam/DVR.
- h). Username: Input the Username of the IP Cam/DVR. Default: admin.
- i). Password: Input the password of the IP Cam/DVR. Default: (BLANK).



- Main Menu/ System/Digital / Channel status
- Channel status : display the connection status of each NETWORK channel.

■ 4CH

	Channel	status
•	•	0 00.00.0

(	Channel	status		×
	Channel D09 D10 D11 D12 D13 D14 D15 D16	Stream 1080P 1080P 1080P 1080P 1080P 1080P 1080P	Mainstream/Sub-Stream Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Connection Sta NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig
				Cancel

5.3.10.1 NETWORK recording: Only IP cameras need to be recorded



In the 4CH ChannelType, choose different combination (modes) to record IP cameras of different resolutions. For example, choose 1080P\_8CH mode to record 8 channel 1080P videos.And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.

- Main Menu/ System/Digital
- After rebooting, there will be three settings available: Digital Channels, Channel status and Channel Type, because Network Channel Type is added.



- Digital channels
- Main Menu/ System/Digital/Digital channels
- Digital channels : You can set the target IP cameras or DVRs that you want to record.

_	S	×
Channel	1 🔽	Enable 🔽
Time Sync	1	Decode Order Middle
Connection mode	2	
Network Configura	3	<b></b>
0 Configur. na	5	/pe IPAddress IPChan
	6	
	8	
	All	]
Add Dele	ete	
	6	Advanced OK Cancel

- a). Channel: Set the NETWORK channels one by one or set all channels at once to have the same settings.
- b). Enable: Check it to enable the setting function. Default is unchecked.
- c). Time synchronization: Check it to synchronize connected IP cameras/DVRs with the system time on DVR.
- d). Decode Order: Choose modes of network transmission, time first/Middle/ fluency first. Default: Middle.
- e). Connection Mode: Choose Single Connection/Multiple Connection mode. Multiple Connection can connect several IP



Cams/DVRs to a single channel and switch between them. Default : Single Connection.

- f). Add: Search available IP Cam/DVR for connection.
- g). Delete: Delete the selected IP Cam/DVR from the list.
- Remote access configuration
- Main Menu/ System/Digital/ Digital channels/ Remote access configuration
- Add : Choose "Add" to do the Remote access configuration. Choose Search to find all available IP Cam/DVR and select which one to connect.

Conn	gur. name	chConfig01				
Device Type IP Channel Device address Port		IPC         ▼         Protocol           1         Stream           sss         192.168.1.20		Protocol	NETIP 🔻	
				Stream	Main Stream -	
				Network		
		34567				
Useri	name	admin		Password		
0	Device N	ame	N	IAC	IP Address	Port

- a). Configure name: Edit device name. Default: chConfig01.
- b). Device Type: Choose IPC DVR or HVR. Default: IPC.
- c). Remote access: Set remote access. Value: 0~65535.
- d). Protocol: Use NETIP or ONVIF. Default: NETIP.
- e). Stream: Main stream or Sub stream. Default: Main stream.
- f). Device address: Display the IP address of the selected IP Cam/DVR.
- g). Port: Display the port of the selected IP Cam/DVR.
- h). Username: Input the Username of the IP Cam/DVR. Default: admin.
- i). Password: Input the password of the IP Cam/DVR. Default: (BLANK).



 Main Menu/ System/Digital / Channel status

Channel status : Display the connection status of each NETWORK channel.

Cha	nnel stat	:us		
	Channel	status		
the	Channel D01 D02 D03 D04 D05 D06 D07 D08	Stream 1080P 1080P 1080P 1080P 1080P 1080P 1080P	Mainstream/Sub-Stream Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	Connection Sta NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig NoConfig
				Cancel

■ 8CH

_≝CI	hannelTy	pe				×	
	Lo	cal		IF	<b>&gt;</b>		
AHD	H/1080P	AHDNH/1080N	1080P	960P	3M	5M	
	8 1	8	1				
	4		4 8	•	•		
				16		4	
					4		
Playb Maxin	Playback channel: 4 Maximum number of preview: 8						
	OK Cancel						

In the 8H ChannelType, choose different combination (modes) to record IP cameras of different resolutions. For example, choose 1080P\_8CH mode to record 8 channel 1080P videos.And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.

- Main Menu/
   System/Digital
- After rebooting, there will be three settings available:
   Digital Channels,
   Channel status and
   Channel Type, because
   Network Channel Type
   is added.



- Digital channels
- Main Menu/ System/Digital/Digital channels
- Digital channels : You can set the target IP cameras or DVRs that you want to record.

- Digital channel	S	× *
Channel Time Sync Connection mode Network Configura 0 Configur. na	1	Enable Decode Order Middle Pe IP Address - IP Chan
Add Del	ete	
	G	Advanced OK Cancel

- a). Channel: Set the NETWORK channels one by one or set all channel at once to have the same settings.
- b). Enable: Check it to enable the setting function. Default is unchecked.
- c). Time synchronization: Check it to synchronize connected IP cameras/DVRs with the system time on DVR.
- d). Decode Order: Choose modes of network transmission, Real time first/Middle/ fluency first. Default: Middle.



- e). Connection Mode: Choose Single Connection/Multiple Connection mode. Multiple Connection can connect several IP Cams/DVRs to a single channel and switch between them. Default : Single Connection.
- f). Add: Search available IP Cam/DVR for connection.
- g). Delete: Delete the selected IP Cam/DVR from the list.

## Remote access configuration

- Main Menu/ System/Digital/ Digital channels/ Remote access configuration
- Add : Choose "Add" to do the Remote access configuration. Choose Search to find all available IP Cam/DVR and select which one to connect.

Device Type Remote access		IPC 1	<ul> <li>Protocol</li> <li>Stream</li> </ul>	NETIP - Main Stream -	
Devid Port Usen	ce address name	192.168.1 34567 admin	.20 Password	"Network"	
0 Device N		ame	MAC	IP Address	Por

- a). Configure name: Edit device name. Default: chConfig01.
- b). Device Type: Choose IPC DVR or HVR. Default: IPC.
- c). Remote access: Set remote access. Value: 0~65535.
- d). Protocol: Use NETIP or ONVIF. Default: NETIP.
- e). Stream: Main stream or Sub stream. Default: Main stream.
- f). Device address: Display the IP address of the selected IP Cam/DVR.
- g). Port: Display the port of the selected IP Cam/DVR.
- h). Username: Input the Username of the IP Cam/DVR. Default: admin.
- i). Password: Input the password of the IP Cam/DVR. Default: (BLANK).

 Main Menu/ System/Digital / Channel status

 $\sim$ 

 Channel status : Display the connection status of each NETWORK channel.

## ♦ Channel status

### ■ 16CH

2 C	hannelTy	pe				×
	L	ocal		IF	þ	
AHD	H/1080P	AHDNH/1080N	1080P	960P	3M	5M
	16					
		16				
	8					
	8					
	8		8			
			8	8		
					8	
						4
		1.4				
Playb	ack char	inel: 4				
				_		
				C	NK	Cancel

In the 16CH ChannelType, choose different combination (modes) to record IP cameras of different resolutions. For example, choose 5MP\_4CH mode to record 4 channel 5MP videos. And maximum tunnel of replay supported is shown below. After clicking OK, the DVR will request to reboot the system.



- Main Menu/
   System/Digital
- After rebooting, there will be three settings available:
   Digital Channels,
   Channel status and
   Channel Type, because
   Network Channel Type is added.



## Digital channels

- Main Menu/
   System/Digital/Digital
   channels
- Digital channels : You can set the target IP cameras or DVRs that you want to record.

Channel (	1 🔻	Enable 🗌	
Time Sync	1	Decode Order 🛽	Viddle 🔻
Connection mode	2		
Network Configura	3		
0 Configur. nar	All	e IP Address	IP Channel
Add Dele	te		
	6		K Cancel
	· · · · · · · · · · · · · · · · · · ·		Gancer

- a). Channel: Set the NETWORK channels one by one or set all channels at once to have the same settings.
- b). Enable: Check it to enable the setting function. Default is unchecked.
- c). Time synchronization: Check it to synchronize connected IP cameras/DVRs with the system time on DVR.
- d). Decode Order: Choose modes of network transmission, time first/Middle/ fluency first. Default: Middle.
- e). Connection Mode: Choose Single Connection/Multiple Connection mode. Multiple Connection can connect several IP Cams/DVRs to a single channel and switch between them. Default : Single Connection.



- f). Add: Search available IP Cam/DVR for connection.
  - Delete: Delete the selected IP Cam/DVR from the list.
- ◆ Remote access configuration

	gur. name	chConfig01			
Devic	е Туре	IPC	Protocol	NETIP	
IP Ch	annel	1	Stream	Main Stream -	
Devid	e address	192.168.1.2	0	Network	
Port		34567			
Userr	name	admin	Password		
-0	Device N	ame	MAC	IP Address	Po
		ili.			

- j).Configure name: Edit device name. Default: chConfig01.
- k). Device Type: Choose IPC DVR or HVR. Default: IPC.
- l).Remote access: Set remote access. Value: 0~65535.
- m). Protocol: Use NETIP or ONVIF. Default: NETIP.
- n). Stream: Main stream or Sub stream. Default: Main stream.
- o). Device address: Display the IP address of the selected IP Cam/DVR.
- p). Port: Display the port of the selected IP Cam/DVR.
- q). Username: Input the Username of the IP Cam/DVR. Default: admin.

Password: Input the password of the IP Cam/DVR. Default: (BLANK).

- Main Menu/ System/Digital/ Digital channels/ Remote access configuration
  - Add : Choose "Add" to do the Remote access configuration. Choose Search to find all available IP Cam/DVR and select which one to connect.

- Main Menu/ System/Digital / Channel status
- Channel status : Display the connection status of each NETWORK channel.



## 5.4 Advanced



Select (Figure 2) Advanced icon, get into (Figure 35) page.



### 5.4.1 HDD Manage



(Figure 36)

Select (Figure 35) HDD Manage icon, get into (Figure 36) page.

Read/Write : Set HDD enable to Read & Write.

Read Only : Set HDD enable to read only.

Redundant : only when there are 2pcs more HDDs for recording same information, and then can enable this function.

Format Disk : Format HDD.

Recover : Reappear the error.

Partition : Partition the HDD.

## 5.4.2 Account



Select (Figure 35) Account icon, get into(Figure 37) page. Modify User : Modify user accounts.



Modify Group : Modify group accounts. Modify Pwd : Modify passwords. Add User : Add a new user account. Add Group : Sort accounts by groups. Delete User : Delete user accounts. Delete Group : Delete group accounts. Update : Update the database after modification.

## 5.4.3 Online User



Display how many current online users.

## 5.4.4 Output Adjust

1	🖉 👜 Main Menu->Ao	lvanced->Output Adjust 🔀	
Í	Top Deflate	<b></b> 0	
	Bottom Deflate	• • •	
	Left Deflate	• • •	
	Right Deflate	0	
	Black vertical	<b>5</b> 0	
	Black horizontal	<b>5</b> 0	
	Display Settings	VGA/HDMI	
	Brightness	<b>———</b> 54	
	Contrast	<b></b> 54	
	Saturation	<b>5</b> 0	
	Hue	<b>5</b> 0	
	Advanced	OK Cancel	(Figure 39)



. Select (Figure 35) Output Adjust icon, get into (Figure 39) page.

Adjust the position & brightness for display.

## 5.4.5 AutoMaintain



Maintain : Select (Figure 35) AutoMaintain icon, get into (Figure 40) page.

Enable to reboot the DVR and delete files after assigned time.

## 5.4.6 Restore



Restore all values to default value.



## 5.4.7 Upgrade



Image: UpgradeSelect (Figure 35) Upgrade, get into (Figure 42) page.Plug USB flash disk to upgrade selected files.

### 5.4.8 Device Info

Advanced > Device In	fo. 🛛 🔀	
Audio In Channels Alarm In Channels Alarm Out Channels Remote control type Maximum Playback large Default playback large Enable RS232 ☑ Enable	16 16 4 General ▼ 8 PTZ ✓	
	OK Cancel	(Figure 43)

**Device Info**, get into (Figure 43) page. Key in the information for DVR.

## 5.4.9 Import/Export

Import/Export current log and settings from/to a USB



🛛 🛛 Main Men	u->Advanced->Import/Export	× ×	
Device Name	/dev/sdb1		
106			
File Name	Log_201306241111.zip	Export	
Set			
File Name	Cfg_V4.02.R11.41400061.111	Export	
File Name	<b></b>	Import	
		Cancel	
			(Figure 44)

ImportExport : Select (Figure 2) Info icon, get into (Figure 44) page.

- 5.5 Info
- 5.5.1 HDD Info







Select (Figure 45) HDD Info, get into (Figure 46) page.

## 5.5.2 BPS

/	ØMain	Menu-	>Info->BPS		_		× 2
	Channel	Kb/S	MB/H	Channel	Kb/S	MB/H	
l		29	6	9	29	6	
	2	29	6	10	29	6	
	3	29	6	11	29	6	
	4	29	6	12	29	6	
	5	31	6	13	29	6	
	6	31	6	14	29	6	
	7	29	6	15	29	6	
	8	31	6	16	30	6	
							Canad
							Cancel
				Unin			
ĺ							

Select (Figure 44) BPS icon, get into (Figure 47) page. Display the statistics of current image BPS.

## 5.5.3 LOG

Type         All           Start Time         2013 - 06 - 24         00: 00: 00         Pre Page           End Time         2013 - 06 - 25         00: 00: 00         Next Page           22         Log Time         Type         LOG           1         2013 - 06 - 24         08:32:55         Save Configuration GUI           2         2013 - 06 - 24         08:32:55         Save Configuration Video output prio           3         2013 - 06 - 24         08:32:56         Shut Down         2013 - 6 - 24         08:32	
Start Time       2013 - 06 - 24       00: 00: 00       Pre Page         End Time       2013 - 06 - 25       00: 00: 00       Next Page         22       Log Time       Type       LOG         1       2013 - 06 - 24       08:32:55       Save Configuration GUI         2       2013 - 06 - 24       08:32:55       Save Configuration Video output prio         3       2013 - 06 - 24       08:32:56       Shut Down       2013 - 6 - 24       08:32	
End Time         2013 - 06 - 25         00: 00         Next Page           22         Log Time         Type         LOG           1         2013-06-24         08:32:55         Save Configuration GUI           2         2013-06-24         08:32:55         Save Configuration GUI           3         2013-06-24         08:32:56         Shut Down         2013- 6-24         08:32	
22         Log Time         Type         LOG           1         2013-06-24 08:32:55         Save Configuration GUI           2         2013-06-24 08:32:55         Save Configuration Video output prio           3         2013-06-24 08:32:56         Shut Down         2013- 6-24 08:32	
1       2013-06-24       08:32:55       Save Configuration GUI         2       2013-06-24       08:32:55       Save Configuration Video output prio =         3       2013-06-24       08:32:56       Shut Down       2013- 6-24       08:32	
2 2013-06-24 08:32:55 Save Configuration Video output prio 3 2013-06-24 08:32:56 Shut Down 2013- 6-24 08:32	
3 2013-06-24 08:32:56 Shut Down 2013- 6-24 08:32	
4 2013-06-24 08:33:36 Reboot 2013- 6-24 08:32	
5 2013-06-24 08:33:36 Log In User default Log	
6 2013-06-24 08:34:07 Log Out User default Log	
7 2013-06-24 08:34:07 Log In User admin LogIr	
8 2013-06-24 08:34:17 Save Configuration GUI	
9 2013-06-24 08:34:17 Save Configuration Video Output	
10 2013-06-24 08:34:18 Shut Down 2013- 6-24 08:34	
Search Remove Cancel (Figure 4	<u>م</u>
(Figure 4	5)

Select (Figure 44) LOG icon, get into (Figure 48) page. Records of DVR LOG message.



## 5.5.4 Version



version : Select (Figure 44) Version icon, get into(Figure 49) page. Display current system version and serial no.

## 5.6 Logout





## 6. NET Surveillance WEB IE

### Login IE browser

After Keyin IP or DDNS, if password without setting in DVR device, just key in "admin" for login.



After login, a message pops out to choose the monitor streams for main stream or subsidiary stream, default value is subsidiary stream.





<ul> <li>#) http://59.12</li> </ul>	26.179.246/						• 🖻 47 🗙	🔁 Bing	
19 🔓 📴 建硼	19月18 - 🔊 前月	大民憲章 -							
urveillance WEB							🔂 • 🔯 • 🖾	🛞 - 柄頁(P) - 1	安全性(S) - 工具(O) -
	Playback	Log	DeviceCtg	LocalClg	Log Out				
	-								_
NetSurveillance	2	2012-02-11 2022-2024		2012-02-11 20:24 320-9		2012-07-11 20:54-306-4		2012/47-11 2012-2019	
🖸 💽 💿 CAM01									Tot.
CAM02									
CAM03									
CAM04									
D 🕑 CAM06									Step(1-8) 5 v
🖻 🕑 CAM07	GANEL		WM2		5990		SPACH		🖨 Zoom 🖨
🛄 🕑 САМОВ		2012-03-11 2012-301-V		2012-03-11 2014-2014		2012-07-11 2012-12/214		2012-07-11 2014-20 <sup>1</sup> -1	6 Forus
CAM09									
CAMIN									Bracet
D CAM12									
🖸 🕑 CAM13									Tour
🕒 💽 CAM14									
CAM15	CADICID		COMM		000		CAMIR		Color Other
		2012-07-01 2014 2014 2014		2010-03-11 30:34-30FV		2015-07-11 20154-31FV		2015-03-11 2014-0/FM	
									Default
									and a state of the
	UNK		CHANE .		GINI		GAM12		
		2012-03-11 2054-320 M		2012-03-11 2012-120-14		2212-02-11 2024-001-4		2012-07-01 2012-02014	
	0.00		CANNA .		CIVI-		CAMINE		
	Contract of the	and must must be		100			00000	200	
				080 080					

After login, monitoring images and select 1/4/9/16 screens.

Playback : Setting requested period of time to playback.

By Name C By Time
All videos 💌
2013/ 6/14 🖌 上午 12:00:00 -
2013/ 6/14 \star 下午 11:59:59 -
Г
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16



■ Alarm Log: Login in and then can search Alarm log messages.

Log				
Nam log	Operate log			
Туре	Date	Time	User	Describe
Notify	2013-06-14	16:27:42	admin	114.26.147.97 Connect successful

■ Device Config : Setting the record selections.







- 2) I Alarm settings : Setting the alarm selections.



- 3) 🌋
- System settings : Setting the system selections.





5)



- Import Export Reboot Upgrade ChannelType
- Info : Checking HDD information, Log, current version & device No.





■ Config Manager : Set the storage place for Recording Videos and photos, and alarm setting.

Config Mar	nager	_					8
⊡ <b>(2)</b> ⊡ <b>)(</b> <b>?</b> )	nfig Manager Alam setting System setting About	Name Alarm setting		D	lescribe		
3	2013-06-14 12:48:24		2013-06-14 12:48:24		2013-06-14 12:48:24		2013-06-14 12:48:24
CAM01	2013-06-14 12:46:24	CAM02	2013-06-14 12:48:24	CAM03	2013-06-14 12:46:24	CAM04	2013-06-14 12:46:24
CAMOS	2013-06-14 12:48:24	CAMIO	2013-06-14 12:46:24	CAM07	2013-06-14 12:46:24	CAM12	2013-06-14 12:48:24
CAM13	2013-06-14 12:48:24	CAM14	2013-06-14 12:48:24	CAM15	2013-06-14 12:46:24	CAM16	2013-06-14 12:48:24



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