Car Digital Hard Disk Recorder

User Manual



Before installing and using, be sure to read the Manual, then you will properly use and protect your machine. The first part of the statement concerns the matters to be attention before installing and using.

Attention

- To protect your rights, before using and installing, please carefully read the contents of the manual.
- This product is used for car inside, in order to prevent short-circuit or the risk of electric shock, do not make the machine in the rain or humidity environment.
- Event of any solid or liquid into the machine, please disconnect the power of the machine immediately, and ask the qualified technical staff to check, then restart it.
- The product is high-tech equipment; machines can not be repaired by users even very small original part. Once failure occurs, please ask for the qualified technical personnel, or contact with the dealer.
 Do not repair it by users themselves.

> Installation Environment

- 8-36V DC power supply, please confirm the local power supply before power on.
- If the machine were not used for a long time, please completely disconnect the video's power supply.
- Please select the appropriate location for the installation of the machine, where the air can flow freely around the machine to avoid overheating or water inflow.
- Machine can not be installed near the radiators, or near the ventilation road which is near heat, or directly under sunshine, or too much dust, or rain water, or near the area where the mechanical vibration or impact happens.
- > Package List

Name	Quantity
HDD Mobile DVR	1
User Manual	1
Certificate of approval	1
Remote Control (not include battery)	1
Connecting Cable	3
Кеу	1

Note: When the specification or parameters changes, no other announcement in addition.

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1 Product Overview

The four-channel /eight –channel /twelve–channel Embedded Digital Hard Disk Video Recorder Embedded Network Hard Disk Video Recorder is designed for car safety. It uses embedded processor and embedded operating system, combined with video / audio compression / decompression, GPS, car recorder, and the capacity hard disk storage technology to confirm the high intelligence and high stability. Widely used for bus, ship, train, and other areas of security.

2 Basic functions

2.1 Audio/Video Compression Format

The video adopts latest IS014496-10 (H.264) video compression technology, high compression rate to ensure a better image quality under less storage; the audio adopts G711A compression method, output a better voice with low distortion.

2.2 Audio/video recording mode

- Compression format
 The audio video data are stored through special files, encrypted to prevent data loss under frequent power failure circumstances.
- Compression stream
 Image quality with 8 levels and adjustable

4 Channel SDI 1080P : (1.0Mbps-6.0Mbps/channel)

to meet different requirements.

Storage
2.5 inch SATA hard disk, 2TB maximum.

2.3 Image quality when monitoring, recording, playback

Resolution

Monitoring:

4 Channel SDI 1080P: 1920*1080/CH; Recording: 1920*1080/CH; Playback: 1920*1080/CH

• Frequencies

The monitoring, recording and playback are all with 25fps or 30fps

- Horizontal resolution for monitoring
 4 Channel SDI 1080P: 1920*1080 / channel
- Horizontal resolution for playback
 4 Channel SDI 1080P: 1920*1080/ channel

2.4 Total Resources

4 Channel SDI 1080P:

- Support 4 channels 1080P(1920*1080) simultaneous recording, total 120fps.
- Support 4 channels 1080P(1920*1080) simultaneous playback, total 120fps.

2.5 Alarm pre-recording

• Alarm video mode, alarm pre - recorded more than 5s video, audio, positioning data.

2.6 Full duplex

• Under full loading status, users can index, playback the recorded data with no frame loss.

2.7 Malfunction alarming function

• When the DVR fail to work, the alarm switch is ON, showing alarm information for 5 minutes at least.

2.8 Self-test the status and self-recovery

• When in working status, the "RUN" indicator will constantly flashes and check the device. Recovery will take no more than 3 minutes when device crashes.

2.9 Front-end device control and multi-channel monitor and switch

The DVR can control PTZ cameras through default protocols (RS-485, PELCO-D, 9600 baud rate),
 4 Channel SDI 1080P : 4 channels real time, switchable to monitoring mode.

2.10 Networking

• Combining the CMS software. With built-in 3G/4G module, the car can be monitored remotely.

2.11 Data backup

- To backup the HDD data into computer via HDD card reader.
- Downloading the HDD data remotely through network.
- Transfer the HDD data to computer, download and play the media via our unique DVR player software. Users can also switch the HDD files into universal AVI format to make it workable in other players.

2.12 Authority, encryption, data safety

 Enter the DVR by password, default for "6666". Data is stored in a special file system to ensure it's encrypted and safe.

2.13 Log function

• The log includes the alarming and malfunction information, stored into HDD. It can be checked via computer.

3 Features

3.1 Operating system

- Embedded Linux operating system, high stable, free from virus.
- English/ Chinese/ Russian/ Portuguese menu switchable.
- Graphical user interface.

3.2 Compression format

• H.264 format: more excellent frame rate, quality image output.

3.3 Monitoring and Recording

• Monitor:

4 Channel SDI 1080P: SDI 1080P (1920*1080)

Record:

4 Channel SDI 1080P: PAL 100fps, NTSC 120fps, full real-time 4CH 1080P recording.

- Record mode: by alarm, schedule, manual, motion detection.
- Support

4 Channel SDI 1080P : 4CH video and 4CH audio meanwhile recording.

- Record image quality: 8 levels adjustable.
- Video recorded in special file system to ensure lifespan and safety of HDD.
- Reliable evidence with unchangeable audio/video data.

3.4 Index and Playback

- Index and playback by time.
- Support :

4 Channel SDI 1080P : 4CH video, 1CH audio (any channel can be chosen),

index and playback at the same time, support amplifying in one channel.

• Data only played by DVR playback software.

3.5 HDD storage and data backup

- Support 2.5inch HDD max 2TB.
- The HDD data can be backed up via PC software.
- Support USB backup.

3.6 Control

- Dual MCU control, to ensure DVR stability.
- Support remotely control by remote controller.

3.7 Others

- Upgrade through USB , easy to maintain.
- Protect by password, to avoid data damage.
- Delayed shutdown: default for 5s, adjustable.
- Anti-pulse and low voltage protection.
- Real-time timer.

4 Technical Parameters

- Anti-shock for the PCB panel and parts.
- Watch dog function to avoid system crush.

Device parameters DVR Performance index Model 4CH 1080P-SDI

Model	4CH 1080P-SDI
Product Name	4 Channel Mobile DVR(HDD Storage)
Operation System	Linux
Operation Interface	Graphical Interfaces, Chinese/English optional
File System	Proprietary Format
System Privileges	User Password
Video Input	4ch SDI Independent Input: 1.0Vp-p, 75Ω.Both B&W and Color Cameras
Video Output	1 Channel PAL/NTSC Output, 1.0Vp-p,75Ω, Pin Aviation Connector
Video Output	1 Channel VGA Support 1920*1080 ,1280*720 ,1024*768 Resolution
Video Display	1 Or 4 Screen Display
Video Standard	PAL:25frames/Sec;NTSC:30frames/Sec
System Resources	PAL:100 Frames; NTSC:120 Frames

Audio Input	4 Channels Independent Input 600Ω
Audio Output	1 Channel(4 Channels Can Be Convert Freely)
Basic Output Level	1.0—2.2V
Distortion Plus Noise	≤-30dB
Recording Mode	Sound And Image Synchronization
Audio Compressio n	G711A
Image Compressio n	H.264 Fixed Code Stream
Image Format	4*1080P (1920*1080)
Video Stream	1.0M-6.0Mbit/s
Video Taking Up Of Hard Disk	450M-2.6GByte/hour
Playback Resolution	1or4*1080P
Audio Bitrate	4KByte / s / channel
Audio Taking Up Of Hard Disk	14MByte / hour / channel
HDD Storage	Support Max 2TB
Image Quality	Eight Grades to Choose
Alarm in	8 Channels Independent Input. High Voltage Trigger
Alarm out	2 Channels Independent output
Move Detect	available
Host Access	Can Expand One For USB Disk Backup
Wire line Access	Can Expand One RJ45 Ethernet Port
Wifi	Can Expand One Wifi Module Inside
3G	Can Expand One FDD-LTE/TD-LTE/WCDMA/CDMA2000 Module Inside

GPS	Can Expand GPS Module Inside
RS232	Extensible, it is convenient to connect with other vehicle equipment
RS485	Extensible, it is convenient to connect with other vehicle equipment and PTZ Camera
Intercom	Can Expand Intercom Module Inside
G-Sensor	Can Expand G-Sensor Module Inside
Canbus	Can Expand Canbus Module Inside
Power	
Consumptio	DC8-36V 5% ≤12W
n	
Working	
Temperature	-20℃ ~+85℃ ≤80%
Clock	Built-In Clock, Calendar
Product Size	245(L)*190(W)*71(H)mm (with Holder)
Product	
Weight	2.8KG(without HDD)
Package	Each In a Box, 5 sets/ Canton
Box Size	245(L)*190(W)* 71(H)mm
Carton Size	650(L)*375(W)* 255(H)mm
Carton	
Weight	14kgs/ 18kgs (without HDD)

Optional functions:

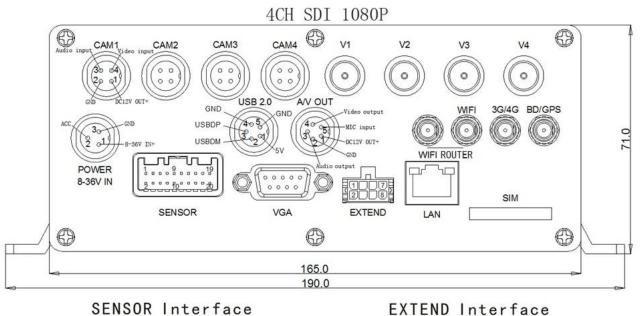
Basic Type (Pin Aviation Connector)

+A: GPS Function	+B: 3G/4G Function
+E: Lan Port	+F: HDD + SD Card
+J: Fireproof Box	+K: Canbus
+L: Wifi hot-Spot	+P: POE

+W: Wifi Function

5 Instruction of Installation

Instruction of External Interface Wiring 5.1



definition:

	definition:						definition:
1	Canbus+	11	Alarm	input	1	1	DC12V OUT+
2	Canbus-	12	Alarm	input	3	2	DC12V OUT-
3	RS485+	13	Alarm	input	2	3	Audio input
4	RS485-	14	Alarm	input	4		Audio output
5	Alarm outputCOM1	15	Alarm	input	GND	5	RS232 (RX)
6	Alarm outputCOM1	16	Alarm	input	GND		Video output
7	Alarm outputCOM2	17	Alarm	input	5	7	RS232(TX)
8	Alarm outputCOM2	18	Alarm	input	7	8	Video/Audio GND
	Alarm input GND						
10	Alarm input GND	20	Alarm	input	8		

Remarks:

- If the power supply is 12V, then the current of 12V output can be just 1A. So if there are more than 3pcs cameras, we suggest customers to get power for other cameras from the 12V vehicle power directly or use Our special car power supply.
- RS485 、RS232 、LINK、CANBUS interface are optional interface, available only when you listed in the order for this interface.
- Ports:

DEBUG: testing port

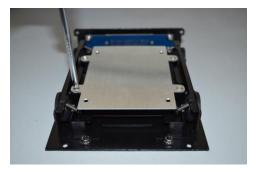
EXTEND: intercom connecting port

SENSOR: alarm port

5.2 Instruction of HDD Installation

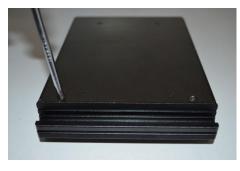




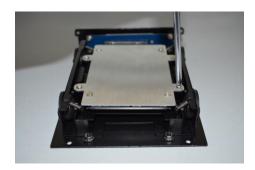


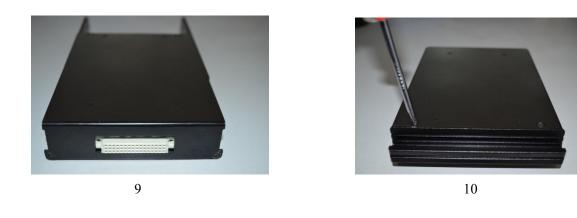
















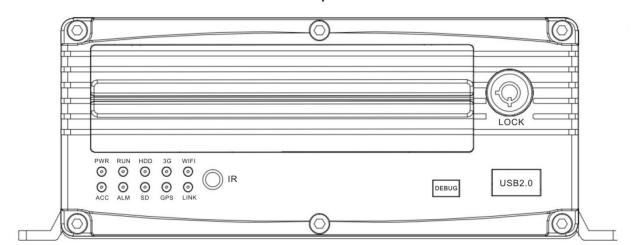
Make sure whether power switch is turned on or turned off, if it is turned on, please use the key, turn the indentation on the "turn off" position.

- Pull the front panel of the hard drive box. Carry out the hard drive and drop it on the table.
- Set down the two screws of the hard drive by cross-screwdriver.
- Drop the under backer of hard drive box, and then check the line whether it is on top of the under backer or not.
- Bring here the SATA hard drive which needs installation; connect the line joint of hard drive box to the hard drive. Please note the heading of the line while connecting. Make sure all of the connecting is complete done.
- Put the hard drive in the hard drive box. The obligate line of hard drive needs longer, the line of hard drive needs to lie on the right position.
- Let the four white screws of the machine through the center hole of the four shockproof rubber pads.
 Fix hard drive on the four holes of hard drive box, do not make the screws too taut, leave a little space for hard drive to move. So it can reach a perfect effect.
- Insert the hard drive under backer which has hard drive to the hard drive top backer, and then, use cross screwdriver and the screw to fix the under backer and the top backer.

- Aimed the hard drive box towards the groove of the front board, level push. Please note the face and back while pushing. Upturn the silk-screen on the right position.
- Wring the lock of the front board by key. Turn the groove on the "turn on" position, lock hard drive box to prevent hard drive from moving out.
- **Note :** Hard drive fixing lock besides fixing the hard drive, also take the place of host power switch .So do this operation, make sure all lines are completely connected. Otherwise, if car's power have been connected with the standard input voltage, the machine should be destroyed. So while installation, if the line has not been completely connected, please stop to do this step. More careful when installation. The hard drive can not roll out even it has not been locked.

6 Instruction of Using

6.1 Instruction of Front Panel



Front plate

• LED

- ✓ **PWR LED**: lighting while work starts. Power LED on.
- ✓ **RUN INDICATOR**: flashing when machine work well
- ✓ HDD INDICATOR: record, play, backup data flashing
- ✓ 3G INDICATOR: When with 3G/4G or WIFI module, or with LINK, this led will be on if the settings are all right and the network connects well

- ✓ Wifi INDICATOR: When with WIFI module, it will be on if WIFI module works well.
- ✓ ACC INDICATOR: ACC controller signal regularly, it would indicate
- ALM INDICATOR: When have alarm signal, it would be on, when alarm signal disappear it would be off.
- SD INDICATOR: When the model has SD card storage function, SD card read normally then it would indicate.
- ✓ **GPS INDICATOR**: with GPS moduel, DVR work well indicate
- ✓ **LINK INDICATOR**: when wired network connect normally, it would indicate.
- Key and Other Descriptions
 - ✓ **DEBUG:** Debug interface.
 - ✓ **SIM interface:** 3G/4G interface.
 - ✓ **IR:** infrared receiving window.
 - ✓ **LOCK:** while removing the hard drive, use the key to unlock in order to remove the hard drive, unlock after machine's auto-disconnects the power, the power auto-connect after being locked.
 - ✓ USB: backup the video data of hard drive via USB.

NOTE: Recommend to use the SanDisk brand of the USB disk , the minimum volume 256M, must support the FAT32 file system.

6.2 Instruction of Remote Control Operation

	MENU	①Lead to menu; ②Return
	REC	Record
PSet PDel Pgo Scan	ОК	Enter the sub-menu to set and confirm
WENU ESC	Q	Playback on the mobile DVR
<(ок) •		①Stop when recording or playback; ②Delete
PTZ .	FII	Pause/Play when playback
+ Iris+ +	*	Fast-forward when playback video , play speed can be x2, x4, x8,
Zoom Focus		press one time is x2, press two times is x4, and press 3 times is x8.

	Fast Backward when playback video, one press back for 10seconds
FI	For PTZ wiper (customized)
PTZ	Enter PTZ control mode.
+ Zoom -	Control PTZ Zoom
+ Focus -	Control PTZ focus
	Mute key, to turn on or turn off audio output when playback videos
(X)	with audio.(The audio input of the playback device must be
	connected to the audio output of the DVR.)
ESC	① Exit when video playback or backup. ② Exit from PTZ mode.
	① Upward for MENU selection. ② "UP" direction for PTZ control
	mode.
	1 Downward for MENU selection. 2 "Down" direction for PTZ control mode.
	① Towards to left for MENU selection or MENU setup. ② "Left"
	direction for PTZ control mode.
	①Towards to right for MENU selection or MENU setup. ②"Right"
	direction for PTZ control mode.
	①screen zoom the first channel video when surveillance, record
	2 Enter password or set system password.
1 ./@	③shortcut keys, press the first key shortcut to switch the number 1,
. . <i>1</i> @	press the second key shortcut to switch the capital letter a, press the
	third key shortcut toggles the lowercase letters a, press the up and
	down keys to change value.
0 –	1 4 channel display when surveillance, record and playback. 2
	Enter password or set system password.

Other numbers button	Press 1, 2, 3, 4, 5, 6, 7, 8 switch to CH1, CH2, CH3, CH4, CH5, CH6, CH7, CH8
Other buttons	Not mentioned buttons, not in use.

Remark: When the DVR is in alarm condition, the remote control is invalid.

6.3 Menu Setting Instruction:

(Our company system support remote control and mouse to operation, This document introduces the operation of the remote control, the left click of mouse means to confirm or enter, and the right click means exit or return)



System Settings: includes options of "Setup", "Vehicle", "Other", "System info", "Log", "Config".



■ Setup setting: includes options of "Base", "User", "Serinal", "PTZ", "GPS", "G-sensor" and "NTP"



• **Base setting:** Set the System time, TV system, Language, etc.

	Ba	se		
Date FMT	YYYY-MM-DD 🔹	DST	OFF	
Date	2016-04-01	Time	13:	47:49
Language	ENGLISH	Video ∎o	de NTS	C
Delay ti∎e	0005s 🔽	Speed un	it MPH	

- ✓ **Date format:** Offer 3 display methods like "y/m/d, m/d/y, d/m/y" for personal habit.
- ✓ **Daylight saving time:** suitable for according countries or areas.
- ✓ **Date**: Adjust the date of HDD recorder
- ✓ **Time:** Adjust the time of HDD recorder
- ✓ Language: Set "Chinese", "English", "Portuguese", "Russian" and "French", have to restart the DVR after setting.
- ✓ Video Mode: Set "PAL" or "NTSC", have to restart the DVR after setting.
- ✓ Delay Time: DVR Time-lapse turn off function after the car ignition off, the default time is 5S, and 30s,1min,2min,5min,10min,20min,30min,2hour,4hour, The longest time is 24 hours, all could be

set, have to restart the DVR after setting.
(Note: Select to save parameters, select don't save parameters)
Operating Way:
Enter the menu, press" Com"to select the options ,then press" Com"to enter the modification
mode, adjust the number by pressing" , , , , , , , , , , , , , , , , , , ,
adjustment。Press" key to exit after all settings done.

• User settings: Set up the user name and password of administrator and common.

Ad∎in user	Ad≡in	
Password		New password
Common user	User	
Password		New password
		OK Gancel

- ✓ Admin user: set up the user name of administrator
- ✓ **Password:** Enter the default password before changing the new password.
- ✓ **New password:** Enter the new password.
- ✓ **Common user:** set up the user name of common.
- ✓ **Password:** Enter the default password before changing the new password.
- ✓ **New password:** Enter the new password.
- Serial setting: this is Serial setting to set up the communication protocol with external equipment.

RS232 set	DISPATCH	Bitrate	9600bps
Data bit	8	Stop bit	1
Verify	NONE	RTS/CTS	NONE
RS485 set	PTZ	• Bitrate	9600bps
			OK Gancel

- ✓ **RS232 set**: support dispatch, led panel, ID card, OBD, person count.
- ✓ **Bitrate**: support 2400bps,4800bps,9600bps,19200bps and 38400bps.
- ✓ **Data bit**: the default value is 8.
- ✓ **Stop bit**: the default value is 1.
- ✓ Verify: the default value is none.
- ✓ RTS/CTS: the default value is nont.
- ✓ **RS485 set**: support PTZ, led screen, oil sensor, ID card, OBD, person count.
- ✓ **Bitrate**: support 2400bps,4800bps,9600bps,19200bps and 38400bps.
- **PTZ setting**: Adjust and control the camera with external PTZ device.

Р	IZ
Protocol	PELCO-D
CH1 address	001
CH2 address	002
CH3 address	003
CH4 address	004
	OK Gancel
•	

- ✓ **Protocols**: default PELCO-D, support PELCO-D.PELCO-P.
- ✓ Channel-Address: Channel one-Device address.

- ✓ Channe2-Address: Channel two-Device address.
- ✓ **Channe3-Address**: Channel three-Device address.
- ✓ **Channe4-Address**: Channel four-Device address.
- GPS setting:

1	6	IPS		
	GPS ti∎ing GPS interva	OFF 10s	•	
			ОК	Gancel

- ✓ **Time zone**: different by countries, e.g: China for UTC+08
- ✓ **GPS Interval**: GPS Data upload interval, used with other system interface.

1		G-9	Sensor		
	X: 0062	g Y:-	0062 m g	Z:-006	2mg
	G	Sensor-X	2000	≡g	
	G	Sensor-Y	2000	∎g	
	G	Sensor-Z	2000	∎g	
			Adjust	ОК	Gance I
•					

• G-sensor setting:

- ✓ G Sensor-X: 2000mg(default value, this value will change accordingly if the X direction gravity accelerated speed value is changeable).
- ✓ G Sensor-Y: 2000mg(default value, this value will change accordingly if the Y direction gravity accelerated speed value changeable).

✓ G Sensor-Z: 2000mg(default value, this value will change accordingly if the Z direction gravity accelerated speed value is changeable).

(note: Press the **Mathematic** to adjust G-sensor parameters when first installed)

• NTP setting:

NT	P		
Server	218. 189.	210.3	
er port	123		
timing	OFF	•	
Interval	OFF	-	
		OK	Cancel
A III	er port ti∎ing	er port 123	er port 123 timing OFF • Interval OFF •

- ✓ NTP server: the NTP server ip
- ✓ Server port: default port is 123
- ✓ **NTP timing:** different by countries, e.g: China for UTC+08
- ✓ **NTP Interval**: time data upload interval, used with NTP server.
- Vehicle information: details of car plate number, route and driver code.

		Vehicle		
	Car ID A-person Line Nu∎ Driver ID	NONE 000000 50 00000000 00000000		
•			ОК	Cancel

✓ Car ID: can be showed by English, Chinese simplified language, Numbers or common

symbols.

- ✓ **A-person**: setup the original carried person for the vehicles.
- ✓ **Line Num**: the driving route and code.
- ✓ **Driver ID**: set up the driver code information.
- Other information:

		Other	
	VGA Output Alm Phone Phone Num	1920*1080 • Zoom in GH OFF • OFF • 00000000000000000000000000000000000	
•		OK Gancel	

- ✓ VGA Output: 1920*1080,1280*720,1024*768,no output
- Zoom in CH: Choosing which channel to see when power on each time. This is also useful when backing the car. Eg .when you choose CH 1 as the Zoom , when you start the device , it will show CH1 in the whole screen .
- ✓ Alarm Phone: set the action of alarm or not.
- ✓ **Phone number:** click alarm function, set the phone number for alarm.
- System information: Display DVR hardware code number, software version information(only view, couldn't be changed)



- ✓ **Device encoding**: only for this DVR, the code is unique.
- ✓ **Software version:** the version No. of DVR software.
- ✓ IMIE: IMIE No. of 3G/4G network or module
- ✓ Strength of 3G/4G signal: strength value:99, unknown: 0-31
- Strength of GPS signal: AA-BB(AA: GPS No ;BB: GPS strength. Show signal strength of max3).
- ✓ WIFI MAC: the MAC address
- LOG information

Log type	ALL	• Fir	nd
2016	-04-01	11:00:36	Video loss
2016	-04-01	11:00:54	Power ON
2016	-04-01	11:00:54	Start REC
2016	-04-01	13:39:41	Power ON
2016	-04-01	13:39:41	Start REC
2016	-04-01	13:44:35	User Reset
2016	-04-01	13:46:04	Power ON
2016	-04-01	13:46:04	Start REC

- ✓ Log type: User action log, alarm logging, equipment status log.
- Configuration management

1	Config	
	Inport	
	Export	
	Renew	
		Eixt
•		

- ✓ **Import**: Import the configuration parameters
- ✓ **Export**: Export the configuration parameters
- ✓ **Renew**: Restore the factory parameter
- **Disk:** Check and format

D	isk		
Disk name	HDD	•	
Overwrite	OFF		
Total size	465GB		
Free size	457GB		
Free record ti∎e	13025MIN		
	Format	OK	Gancel

- ✓ **Disk Name:** Display the system recognized HDD name.
- ✓ Overwrite: Choose on and off
- ✓ **Total Size:** Display the total size of HDD.
- ✓ Free Size: Display the remaining Capacity of HDD.
- ✓ **Free record time:** It is only an estimate.
- ✓ **Format:** Format HDD(only format the head files of HDD).

Select this item, there is a format interface after press"

",confirm to format, cancel to return

the original interface.

ALL	data	will	be	lost	
ок		1	с	ancel	

Record: the video files setting, It includes "codec", "channel" and "record plan".

		Re	ecord	
	Codec	Channe I	Record plan	
V				

• Codec:

Channe I	CH1	•	Copy	to all		
	Main stre	ea∎		Sub stre	a	
Resolution	960P			D1	•	
Fra≣e	25fps	•		25fps		
Stream mode	CBR			CBR		
Quality	1.0Mbps	٠		256kbps	•	
Audio						
JPEG	30s					
Input ∎ode	Analog					
			Sav	e OK	Gar	ncel

- ✓ Channel: select the channel setting (the information of each channel could be set independently)
- ✓ **Resolution:** CIF/HD1/D1/960H/720p/1080p;

The left side is the local storage information,

The right side is network transmission information; local "CIF,HD1,D1" is optional, only "CIF" for

network transmission.

✓ Frame: 1-25/30fps

The left side is local storage information,

The right side is network transmission information.

Stream mode: Constants Bit Rate and Variable Bit Rate.

✓ Quality: Video quality setting

The left side is the local video quality(total 10 grades,

192kbps/320kbs/512kbps/768kbps/1Mbps/1.2Mbps/1.5bps/2Mbps/3Mbps/4Mbps)

The right side is the network transmission quality(total 13 grades,

32kbps/48kbs/64kbps/80kbps/112kbps/144kbps/192kbps/256kbps/320kbps/384kbps/512kbps/76 8kbps/1024kbps)

- ✓ **Audio:** Select to record audio or without audio.
- ✓ JPEG: set captured of time and interval, Select a Trigger for alarm triggering to capture, choice time 10s, 30s, 60s, 120s, 300s.
- ✓ Input mode: Analog, AHD, SDI or IPC
- ✓ Copy to all: Copy to all channels

Note: save after finished video parameter setting (have to restart the DVR after setting.)

• Channel:

5	Cha	nne I	
Channe Channe	I CH1 • I name CH01	Copy to all	
OSD Ti≣e ☑) Channel name 🗹	Car ID & GPS	
•		Save OK	Cancel

- Channel: select the channel setting (the information of each channel could be set independently)
- Channel name: the name of each channel

- ✓ **OSD**: choose to add the character information or not.
- ✓ Copy to all: Copy to all channels
- Record plan

Channe I	CH1	• C	opy to a	11	
Record mod	e REALTIME				
File lengt	h 5MIN				
Prerecord	10s	•			
vent REC ti	me 30s				
Schedule	Timer	S A La	ar II		
	0				23
			Save	OK	Cancel

- ✓ **Channel:** select the channel setting (the information of each channel could be set independently)
- ✓ **Record mode:** real time and event or no record
- ✓ File length: the packaged video files length setting (5/10/15/25/30/60 minutes optional)
- ✓ **Prerecord:** Before the alarm recording time(no,5s,10,15s)
- ✓ Event REC time: Alarm-triggered video duration (30-330s optional, 30s unit).
- ✓ **Schedule:** the timer is timing recording, the alarm is alarm recording.
- ✓ Copy to all: Copy to all channels.
- Save: save after finishing video parameter setting (have to restart the DVR after setting.)

The operating method is similar to the "basic settings" operating

■ **Playback:** the recorded video Playback

2016-03-31	File source	HDD	
2016-04-01	File type	ALL	•
	Start ti∎e	00:00:00	
	End ti∎e	23:59:59	
	Sea	arch	
Back Next	Sea		
Back Next	Sea	arch Eix	4

There is video date in the menu, it will show the vide time after press "Search", choose the playback time

range according to require time ,then press "Play "button to replay the video.

File format suffix "_P" is power off video file , suffix "_S" indicates an alarm trigger video files, suffix "_T" indicates an timing video files.

08:26:47_P 09:04:13_T 08:30:50_T 09:08:59_T 08:35:36_T 09:13:45_P 08:40:22_T 09:16:37_T 08:45:08_T 09:21:29_P 08:54:41_T 09:23:11_T 08:59:27_T 09:24:59_P Back Next	08:30:50_T 08:35:36_T 08:40:22_T 08:45:08_T	09:08:59_T 09:13:45_P 09:16:37_T	Channe I	ALL
	08:54:41_T	09:23:11_T 09:23:47_P		Play
	Back	Next		Eixt

- Channel: 1CH/4CH/8CH/12CH Video playback; video playback on each channel or full screen, playback and record simultaneously
- ✓ Play: Select the video files and channel to replay
- ✓ **Export:** Select the HDD video files backup to USB Disk

The operating method refers to "local video playback instruction"

Network Setting: LAN, 3G, WIFI, IPC



- ✓ **LAN:** connecting via RJ45.
- ✓ **3G/4G:** insert 3G/4G SIM card into the slot.
- ✓ **WIFI:** connecting the network of WIFI.
- ✓ **IPC:** To connect the IPC camera Settings.
- ✓ **SIP:** Chinese goverment standard platform
- ✓ **CH ID**: Chinese goverment standard platform infomation
- Local Network Setting (LAN):

fam.	L	AN		
Net type	LAN	DHCP	OFF	•
Static IP	192.168.002.246	Net mask	255.255	. 255. 000
Gateway	192.168.002.100	DNS	202.096	. 134. 033
Sever IP	cvideoview.com	Sever port	8101	
			OK Ca	ancel
2				

- ✓ **Network Type:** LAN and 3G/4G-WIFI optional.
- ✓ DHCP: Automatically get the IP address(in order not conflict with the LAN, please enable ON, and also enable DHCP on the router, P.S, only one DHCP server can be enable in one LAN).

- ✓ **Static IP:** setup under LAN and WIFI mode.
- ✓ **Net mask:** Subnet mask under LAN or WIFI mode.
- ✓ **Gateway:** gateway under LAN or WIFI mode.
- ✓ **DNS:** please input when the server IP is DNS, and not necessary when IP is static.
- Server IP: If the units login on our server, please use cvideoview.com, and if the units login on your own server, please use yours.
- ✓ Server Port: Keep it as default of 8101.

• 3G Network Setting:

- ✓ **Net type:** select 3G-WIFI if you are going to use 3G mode.
- ✓ DHCP: ON

	L	AN .		
Net type	36/4G-#1F1•	DHCP	ON	
Static IP	192.168.002.246	Net m ask	255.25	55.255.000
Gateway	192. 168. 002. 100	DNS	202.09	96.134.033
Sever IP	cvideoview.com	Sever por	t8101	
			OK	Gancel

✓ Access into "Network"→"3G"

APN	3gnet		
Dialup Num			
User na∎e	3gnet		
Password	3gnet		
		OK	Gancel

- ✓ **APN:** Access Point Name.
- ✓ **Dialup Num:** Get this info from your carrier.
- ✓ **User Name:** Fill in if you have.
- ✓ **Password:** Fill in if you have.

Note: please make sure you select the proper SIM card fit for 3G/4G module.

- WIFI Setting:
 - \checkmark Net type: Select 3G-WIFI when the type is under LAN.
 - ✓ DHCP: ON

Net type	3G/4G-WIF1*	DHCP	ON	*
Static IP	192.168.002.246	Net mask	255.25	5.255.000
Gateway	192.168.002.100	DNS	202.09	6. 134. 033
Sever IP	cvideoview.com	Sever por	t 8101	

✓ Access Network setup →"WIFI"

		l.	IIEI -		
	SSID	Tenda			
	Password	hesit	ech		
	Certificat	МБУ- Б	SK		
	Encryption	CCMP	TKIP		
				OK	Gancel
•					

✓ **SSID:** WIFI router device name.

- ✓ **Password:** using password for SSID.
- ✓ Certificate: Support both "WPA-PSK" and "WPA2-PSK".
- ✓ Encryption: Support both "CCMP" and "TKIP".

Access router, check its "WIFI "encryption.

WIRELESS SECURITY MO	DE
wireless security modes, includ wireless encryption standard. V	in configure wireless security features. This device supports three ing WEP, WPA-Personal, and WPA-Enterprise. WEP is the original NPA provides a higher level of security. WPA-Personal does not er. The WPA-Enterprise option requires an external RADIUS server.
Security M	lode: WPA-Personal 👻
ETUP COMPLETE!	
SETUP COMPLETE!	
elow is a detailed summary of y he information on a piece of pa	your wireless security settings. Please print this page out, or write sper, so you can configure the correct settings on your wireless
elow is a detailed summary of y he information on a piece of pa	per, so you can configure the correct settings on your wireless
elow is a detailed summary of y he information on a piece of pa lient adapters.	2.4GHz Band
elow is a detailed summary of y he information on a piece of pa lient adapters. Wireless Band : Wireless Network Name (SSID) :	2.4GHz Band
lelow is a detailed summary of y he information on a piece of pa lient adapters. Wireless Band : Wireless Network Name (SSID) :	2.4GHz Band dink Auto (WPA or WPA2) - Personal

Notes:

Please make sure the router WIFI encryption keep the same with the setup in MDVR if the units use WIFI.

• IPC Setting(This function can only suit for Mobile NVR)

Channel CH1	•	Time Sync	
IPG Addr 192, 168	. 002. 075	IPC Port	80
Jser Name admin		Password	ad≡in
192. 168. 2. 83:8899	192.168	. 2. 142:8899	192. 168. 2. 75:80
192. 168. 2. 117:80	192.168	. 2. 220 : 80	192.168.2.150:80
Search IPC end!	Search	Save	OK Cancel

- ✓ **Channel:** main channel , different channel set can choose.
 - **Time Sync:** turn on/off means if open the time synchronization between ipc and device.

 \checkmark

- ✓ **IPC Addr:** put and modify ipc address when the ip camera and device in one network area.
- ✓ **IPC Port:** the device port which connect with ip camera.
- ✓ **User Name:** the user name which connect with ip camera.
- ✓ Password: the user names password
- Search: it is can search the local network ipc when click the search button
- ✓ Save: click the save button to keep the sets after set

Note: the network type must be changed to LAN when connect with ipc.

- SIP: Foreign users can't use this standard, it's just suit for chinese client .
- CH ID: Foreign users can't use this standard, it's just suit for chinese client .
- Alarm setting : Sensor alarm, Motion detecting alarm and other alarm setting



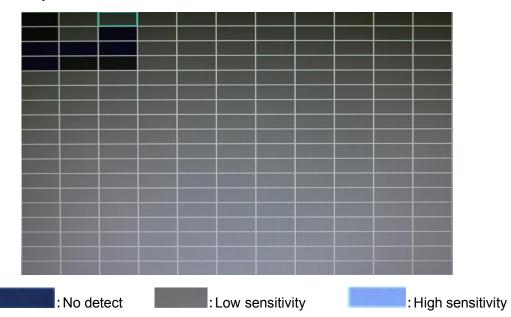
- ✓ **Sensor:** An external sensor alarms.
- ✓ **MD:** Motion detecting alarm.
- ✓ **Other:** other alarm setting.
- Sensor Setting

	Sei	isor
Channel Enable Sensor Name		Copy to all
Triger leve Linkage OSD	IHIGH LEVEL	Lock 🕑
Alar∎		Alarm out 🗹
		Save OK Cancel

- ✓ **Channel:** main channel , different channel set can choose.
- ✓ **Enable:** turn on/off means if open the sensor alarm.
- Sensor Name: put and modify the name of sensor.
- ✓ **Trigger level:** High or low level trigger the alarm.
- ✓ **Iinkage:** Set up ON/ OFF video linkage function.
- ✓ **OSD:** Choose whether to overlay alarm information.
- ✓ **Lock:** Won't cover this alarm video after choose this lock.
- ✓ **Alarm:** Choose whether to overlay alarm information.
- ✓ Alarm Out: Choose whether to alarm out.
- ✓ Save: click the save button to keep the sets after reboot
- **MD:** Motion detecting alarm.

Channel CH1 Copy to all Enable Area setup	
Al ba socup	
Save OK Can	:el

- ✓ **Channel:** main channel , different channel set can choose.
- Enable: Open and close motion detect record and motion detect sensitivity selection such as "off",
 "high", "low". Opening motion detect recording, also need to set the icon "S"(alarm record)for time range of the detect record in "Record Setting" status except select "High", "Low". "High", "Low" is the grade of detect sensitivity, higher grade record easier.



✓ Area setup

• Other: other alarm setting.



- ✓ Alarm out time: Alarm output time (5s-900s).
- ✓ **Low voltage:** The low voltage alarm about car battery.
- ✓ **Low speed:** The low speed alarm.
- ✓ **High speed:** The high speed alarm.

Alarm out enable: setup the types of alarms linkage, speed, G-sensor, video lost, Motion detecting alarm, HDD fail, power.

6.4 DVR Video Playback Instruction

Our company System support 2 video playback ways.

1) Users can watch the video playback with the IR remote control, the specific steps are as follows:







2) User can watch the video playback with the mouse, the specific steps are as follows:

Enter the main menu, Click on the "playback" option to enter, next select the playback date, file type and time frame ,then press "Search" to display the video files of the selected date(file named by the record time). After selected the time and channel , press "Play" to play. If your required time is not available in the current page, press "Back" or "Next" to the other page, till you find the required time.



User press " on the playback interface, and then use the mouse to click" **Sector** to move the mouse to click and implement different functions, such as: before, stop, play, pause, a frame play, fast forward, next and audio(each channel).

6.5 Video Backup

Our company System support 2 video backup ways.

- Connect the USB disk to the DVR's USB port for backup (Ports on Demand); Operating method as follows:
 - Connect USB disk to the DVR's USB port (FAT32 format, backup Max.20G).
 - On the video playback interface, select the backup video files first, then move to "Export" option,

and press "OK "to backup, "Export END" display after backup finished, the USB disk could be taken

away, then press" to exit if no other operations.

- If you need to backup another files, press
 "If you need to backup another files, press
 "If you need to backup another files, press
- 2) Take the HDD box out from DVR, then connect the HDD reader to the PC, you can check the video playback on PC via the installed our company's local playback analysis software .(Suitable for large amount data backup, simple and flexible. The proprietary data files also could be converted to the common format, suitable for different reading demands). Specifics refer to the local playback analysis

software instruction).

6.6 PTZ control

This function just used to has PTZ function models, there is two ways. Operations are as followings:

1) User can control PTZ camera with the IR remote control, the specific steps are as follows:

showes, the PTZ camera would rotate after each command by clicking PTZ icon in the CMS or operating

the control board; Control over if wanna quit at all, click"

2) User can control PTZ camera with the mouse, the specific steps are as follows:

When DVR is working, Click the mouse left button, then the screen would show this picture

click "PTZ", There is PTZ control icon would display, the PTZ camera would rotate after each command by

clicking PTZ icon; the PTZ control icon will be displayed on the channel which your mouse to click; Control over if want to quit at all, click the mouse right button.



6.7 Video Data Volume

The required volumes of video and video-related settings , please see the following table:

4 CI	H SDI 1080)P		4CH 960H		8CH S	960H	12	2CH 960H	
VIDEO QUALIT Y	Total Record Frame	Data Size Per Hour	VIDEO QUALITY	Total Record Frame	VIDEO QUALITY	Total Record Frame	Data Size Per Hour	VIDEO QUALITY	Total Record Frame	Data Size Per Hour

							r			
6.0 Mbps	100	10.8GB	2.0 Mbps	100	3.6GB	200	7.2GB	2.0 Mbps	300	10.8GB
	frame			frame	3.0GD	frame			frame	
5.5 Mbps	100	9.9GB	1.5 Mbps	100	2.65GB	200	5.3GB	1.5 Mbps	300	7.95GB
	frame			frame	2.00GD	frame			frame	
5.0 Mbps	100	9.0GB	1.2 Mbps	100	0.400	200	4.2GB	1.2 Mbps	300	6.3 GB
	frame			frame	2.1GB	frame			frame	
4.5 Mbps	100	8.1GB	1.0 Mbps	100	1 000	200	3.6GB	1.0 Mbps	300	5.4 GB
	frame			frame	1.8GB	frame			frame	
4.0 Mbps	100	7.2GB	768 Kbps	100	1.35GB	200	2.7GB	768 Kbps	300	4.05GB
	frame			frame	1.30GD	frame			frame	
3.0 Mbps	100	5.4GB	512 Kbps	100	0.9GB	200	1.8GB	512 Kbps	300	2.7 GB
	frame			frame	0.968	frame			frame	
2.0 Mbps	100	3.6GB	320 Kbps	100	0.55GB	200	1.1GB	320 Kbps	300	1.65GB
	frame			frame	0.00GB	frame			frame	
1.0 Mbps	100	1.8GB	192 Kbps	100	0.335GB	200	0.67GB	192 Kbps	300	1.01GB
	frame			frame	0.333000	frame			frame	
	Note: Ba	sed on us	ers matching	condition	s to apply th	e appropri	ate drive a	and related s	ettings.	

4	CH 1080P-NV	R	8CH 720P-NVR			12CH 720P-NVR		
VIDEO QUALITY	Total Record Frame	Data Size Per Hour	VIDEO QUALITY	Total Record Frame	Data Size Per Hour	VIDEO QUALITY	Total Record Frame	Data Size Per Hour
2.0 Mbps	100frame	6.1GB	2.0 Mbps	200frame	10. 32GB	2.0 Mbps	300frame	15.48GB
1.5 Mbps	100frame	4.58GB	1.5 Mbps	200frame	7.74GB	1.5 Mbps	300frame	11.61GB
1.2 Mbps	100frame	3.65GB	1.2 Mbps	200frame	6.18GB	1.2 Mbps	300frame	9. 27GB
1.0 Mbps	100frame	3. 05GB	1.0 Mbps	200frame	5.16GB	1.0 Mbps	300frame	7.74GB
768 Kbps	100frame	2.3GB	768 Kbps	200frame	3.86GB	768 Kbps	300frame	5.79GB
512 Kbps	100frame	1.5GB	512 Kbps	200frame	2.58GB	512 Kbps	300frame	3.87GB
320 Kbps	100frame	1GB	320 Kbps	200frame	1.62GB	320 Kbps	300frame	2.43GB
192 Kbps	100frame	0.58GB	192 Kbps	200frame	0.96GB	192 Kbps	300frame	1.44GB

Note: Based on users matching conditions to apply the appropriate drive and related settings.

6.8 Extranet Port Mapping

- ✓ Install the CMS server in LAN, please refer to the manual how to install CMS server.
- ✓ First, make sure the PC which installed the server use **Static Public IP**, not automatically get.

ne appropriate IP settings.	ed to ask your network administrator for
Obtain an IP address autom	natically
Use the following IP addres	s:
IP address:	192.168.2.33
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.2.100
 Obtain DNS server address Use the following DNS server 	
Preferred DNS server:	192.168.0.1
Alternate DNS server:	

- ✓ Access into "Program"→"Run"→"CMD", fill in "ipconfig"→"Enter" to see if the server IP has been set successfully.
- ✓ Open the file of "DVR_Server.cfg" in the server installation path, can check whether the ports have been set successfully.

Port: 8001, 9001, 8101

文件(2) 编辑(2) 格式(0) 查	昏(Y) 帮助(H)	
[Server] Server_port=8001 Client_port=9001 TCPServer_port=8101 UseName_Num=1 UpdatePass=0 GpsPlayer_dis=30 [SendGPS] Gps_IP=127.0.0.1 Gps_Port=9009 Gps_Stauts=2 debug_status=0 [UserName00] Name=admin Password=admin MaxNum=0		
		Ln 16, Col 2

✓ Access into router→"Advanced"→ "Port forwarding ":

DIR-835		SETUP	ADVANCED		TOOLS	STATUS	SUPPORT
VIRTUAL SERVER	POR	T FORWARDI	NG RULES :				Helpful Hints
PORT FORWARDING	This	option is used to	open multiple ports or a ra	nge of p	iorts in your router a	nd redirect data	Check the
APPLICATION RULES			to a single PC on your netw ling, Port Ranges (100-150)				Application Name drop down menu for
QOS ENGINE		0-5000, 689).	ing, Forthanges (100-130)	, 11 1041104		5), or Mixed	list of predefined
NETWORK FILTER		Save Settings	Don't Save Settings	Ĩ.			applications. If you select one of the
ACCESS CONTROL	· — ·	Jave Jerungs	Durit Dave Detungs	_			predefined applications, click the
WEBSITE FILTER	24	PORT FOR	WARDING RULES				arrow button next to
INBOUND FILTER	1000		í.	_	Ports to Open	1	the drop down menu to fill out the
FIREWALL SETTINGS		Name			TCP	Schedule	corresponding field.
ROUTING	_	[< Application Name		0	Always 💌	You can select a
ADVANCED WIRELESS	1.1	IP Address			UDP	Inbound Filter	computer from the li of DHCP clients in th
WI-FI PROTECTED		0.0.0.0	<< Computer Name	-	0	Allow All	Computer Name dr
SETUP		Name	_		TCP	Schedule	down menu, or you can manually enter th
ADVANCED NETWORK	Г		< Application Name	-	0	Always 💌	IP address of the LAI computer to which
GUEST ZONE		IP Address	< Computer Name	•	UDP	Inbound Filter	you would like to op
IPV6 FIREWALL		Name	Computer Name	-	TCP	· · · · · · · · · · · · · · · · · · ·	the specified port.
IPV6 ROUTING		Name	< Application Name	-	0	Schedule	Select a schedule for
	Г	IP Address		_	UDP	Inbound Filter	when the rule will be enabled. If you do not
		0.0.0.0	<< Computer Name		0	Allow All	see the schedule you need in the list of
		Name			TCP	Schedule	schedules, go to the Tools → Schedules
	-		<< Application Name	-	0	Always 💌	screen and create a new
	1	IP Address			UDP	Inbound Filter	schedule.

 \checkmark Add the ports of 8001, 8101, 9001 to the port forwarding.

DIR-835	SETUP	ADVANCED	тоо	LS	STATUS	SUPPORT
VIRTUAL SERVER	PORT FORWARD	ING RULES :				Helpful Hints
PORT FORWARDING	This option is used to	o open multiple ports or a rar	nge of ports	in your route	and redirect data	Check the
APPLICATION RULES	through those ports	to a single PC on your netwo ding, Port Ranges (100-150),	ork. This feat	ture allows yo	u to enter ports in	Application Name
QOS ENGINE	(1020-5000, 689).	uriy, Port Kariyes (100-150),	, Individual Pi	Jrts (80, 08, 1	388), Ur Mixeu	drop down menu for list of predefined
NETWORK FILTER	C	Don't Save Settings	1			applications. If you select one of the
ACCESS CONTROL	Save Settings	Don't Save Settings	_			predefined
WEBSITE FILTER	24 PORT FOR	WARDING RULES				applications, click the arrow button next t
INBOUND FILTER	New William			Ports to Oper	e 1	the drop down men to fill out the
FIREWALL SETTINGS	Name			TCP	Schedule	corresponding field.
ROUTING	DVR	<< Application Name	• 9	001	Always •	You can select a
ADVANCED WIRELESS	IP Address			UDP	Inbound Filter	computer from the l of DHCP clients in th
WI-FI PROTECTED	192.168.2.33	< Computer Name	· 90	001	Allow All 💌	Computer Name di
SETUP	Name			TCP	Schedule	down menu, or you can manually enter t
ADVANCED NETWORK	DVR	< Application Name	<u>→</u> 8:	101	Always 💌	IP address of the LA
GUEST ZONE	IP Address	_		UDP	Inbound Filter	computer to which you would like to op
IPV6 FIREWALL	192.168.2.33	Computer Name	- 81	.01	Allow All	the specified port.
IPV6 ROUTING	Name DVR	<< Application Name	- 80	TCP 001	Schedule	Select a schedule for
		Application Name	- 10C	UDP	and the second	when the rule will be enabled. If you do not
	IP Address 192.168.2.33	< Computer Name	- 80	000	Inbound Filter	see the schedule you
	Name	soupour radine		TCP	Schedule	need in the list of schedules, go to the
	(Valle	< Application Name	• 0	i de	Always •	Tools Schedules screen and create a ne
	IP Address		_	UDP	Inhound Filter	schedule.

- a) Name: fill in a name for MDVR port.
- b) **Ports to Open:** 8001, 8101, 9001.
- c) IP Address: Server IP address.
- d) Inbound Filter: TCP, UDP, Allow ALL, please select "Allow All".
- e) Schedule: select "Always".
- ✓ Fill in the ports, and click"Save settings".

SETUP	ADVANCED	TOOLS	STATUS
ORT FORWARDIN	G RULES :		
hrough those ports to	open multiple ports or a rang o a single PC on your netwo 1g, Port Ranges (100-150), 1	k. This feature allows yo	u to enter ports in
Save Settings	Don't Save Settings	[
24 PORT FORV	ARDING RULES		
		Ports to Oper	1
Name DVR	- Andreaking Marrie	• 9001	Schedule
P Address	Application Name		
192.168.2.33	< Computer Name	• 9001	Alow Al
Name		TCP	Schedule
DVR	< Application Name	• 8101	Always 🔹
IP Address		UDP	Inbound Filter
192.168.2.33	Computer Name	• 8101	Allow All 💌
Name DVR		TCP 8001	Schedule

After the port mapping settings, find the "IP Address" in the WAN, the IP Address is your CMS server IP.
 login the server IP on the CMS client to access.

DIR-835	SETUP	ADVANCED	TOOLS	STATUS
DEVICE INFO	DEVICE INFORMA	TION		
LOGS	All of your Internet an	d network connection det	rails are displayed on this p	age. The firmware
STATISTICS	version is also displayed		tone one emphasized on the p	agar ma mininara
INTERNET SESSIONS	GENERAL			
ROUTING	ULILLINAL	Theory Filler Avenue	+ 12 2011 7-20-50 PH	
WIRELESS	Firmware	e Version : 1.00 , 12, A	t 12, 2011 7:29:58 PM ug, 2011	
IPV6				
IPV6 ROUTING	WAN			
	Cab Networ Connection MAC IP Sub Default Primary DM Secondary DM	tion Type : DHCP Client le Status : Disconnected rk Status : Disconnected n Up Time : N/A DHCP Renew Address : 00:01:23:45:6 Address : 188.38.223.87 net Mask : 255.255.255.0 Gateway : 188.38.223.87 IS Server : 202.96.128.16 IS Server : 202.96.134.13 need DNS : Disabled	7:8a 6	

Notes: When extranet access into LAN server, it need do mapping on the router. Then extranet can access into WAN IP.

 \checkmark Change the Server IP to the related one, Access into MDVR

"menu"→"Network setting"→"LAN"→"Server IP"→XXX.XXX.XXX.XXX

	LAN					
Net type	3G/4G-WIFI •	DHCP	ON	•		
Static IP	192.168.002.246	Net mask	255.255	. 255. 000		
Gateway	192.168.002.100	DNS	202.096	. 134. 033		
Sever IP	cvideoview.com	Sever por	t <mark>8101</mark>			
			P.W			
			OK C	ancel		

6.9 Domain binding setting

After finished the server set up and the port mapping, you can login via network IP.

There are two ways to access the network as follow.

ADSL dial-up: It will assign a different dynamic IP address for each dial

Leased line: It will assign a static IP address, and you can access directly

So, when set up the server with the way of ADSL dial-up, you can binding DDNS via domain in order to prevent the distribution of different dynamic IP in each dial.

Note 1: DDNS is used to mapping the dynamic IP address to a static DNS. Client program will send the dynamic IP to the server program when the user access the network, then the server program will provide the DNS server to realize dynamic DNS.

Note 2 : If the dynamic domain name is free, you will temporarily unable to access via the free domain name when things going wrong with the the domain name service provider's server.

The related parameters below is for routers test. Please refer to actual network environment when installation.

✓ Access into router setup, select "Dynamic DNS" to check the related setup.

D-Lin	k				
DIR-835	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT
ADMIN	DYNAMIC DNS)			Helpful Hints
TIME SYSLOG SMAIL SETTINGS SYSTEM FIRMWARE SYNAMIC DNS SYSTEM CHECK SCHEDULES	name that you have pu assigned IP address. M addresses. Using a DDN your game server no m	ws you to host a server (\ urchased (www.whatever ost broadband Internet S VS service provider, your f natter what your IP addre ee DDNS service at <u>www.f</u> Don't Save Settings	yournameis.com) with yo ervice Providers assign dy riends can enter your ho ss is.	our dynamically namic (changing) IP	To use this feature, you must first have Dynamic DNS accour from one of the providers in the drop down menu.
	Server Ho Usernam Passwor Verify Passwor	amic DNS : Address : State of Key :	(hours)	mamic DNS Server 💌	

- a) Enable Dynamic DNS: Enable ON if you need to use DDNS
- b) Server Address: Fill in accordingly
- c) Username or Key: Fill in applied user name
- d) Password or Key: Fill in password
- e) Verify Password or Key: confirm the password
- f) Timeout:Timeout setting
- g) Status: Status of connection

Notes: DDNS need to be applied by customers if necessary.

✓ Fill in the user name and password, use DDNS login, it shows connect successfully if login properly, and will display the applied the DNS.

Notes: please refer to the Oray for the DNS apply.

✓ After DNS binding, you can access into server via DNS.

6.10 WIFI hotspot

1. To use the Wifi hot spot function, user has to set the "Netype" as "LAN" and the "DHCP" as "ON"in the DVR, see below picture:

	L	٨N		
Net type	LAN	DHCP	0 N	•
Static IP	192.168.002.246	Net mask	255.2	55.255.000
Gateway	192.168.002.100	DNS	202.0	96.134.033
Sever IP	cvideoview.com	Sever por	t 8101	
			ОК	Gancel

Mark: Wifi hot spot only work for the mobile dvr with this function

WIFI hot spot default settings:

SSID: MDVR

Password: admin888

WIFI router default settings:

Router IP: 192.168.10.1

Name: admin

Password: admin

User can modify the SSID name and password by referring to the above settings via connecting with router.

 Input the default router IP 192.168.10.1 in IE and enter the router menu by inputting default user name and password. The device working condition and 3G/4G dial up connection condition can be checked, see below picture:

Summary	Log Interface File Sharing	
	REFRESH	Help
		Summary: Show current status and
Work Mode	3G/4G Wireless Router Mode	configurations of the
3G/4G Connect	Auto Select	router.
3G/4G ISP	WCDMA/LTE	
Signal SIM/UIM Status	67% Available	
3G/4G Service	Valid service	
3G/4G Network	WCDMA	
WAN Info:		
Connection Type	3G/4G Wireless Dial Up(Connected) CONNECT DISCONNEC	
IP Address	10.73.124.136	
Subnet Mask	255.255.255.255	
Gateway	10.64.64.64	
DNS 1	210.21.196.6	
DNS 2	221.5.88.88	
MAC Address	00:B0:C0:51:43:0B	
Keep Time	00:00:07	
LAN Info:		
IP Address	192.168.10.1	
Subnet Mask	255.255.255.0	
DHCP Server	Enable	
MAC Address	00:B0:C0:51:43:0A	

Click "mode", there are options "3G/4G Wireless Router Mode", "Standard Wireless Router Mode",
 "Standard Wireless AP and AP Client Bridge Mode" and "Wireless AP Client Mode", default is "3G/4G Wireless Router Mode".

Devic	e Work Mode	Help
۲	3G/4G Wireless Router Mode Wireless and ethernet port connect to local network, The 3G/4G USB modem connect to internet.	WorkMode: Choice the device work mode, if choic Smart Mode; The device will detect wan mode automatically. The priority as: 3G/4G - > DHCP> PPPoE > AP-Citent. Please input parameters in diffrent mode at
0	Standard Wireless Router Mode Wireless connect to local network, The ethernet connect to internet. $\overbrace{Var PC}^{\bullet}$ $\stackrel{\bullet}{\longrightarrow}$	first.
0	Standard Wireless AP and APClinet Bridge Mode Wireless work for access point, APClinet connect remote AP, Ethernet connect to local network.	
0	User PC User PC State State A Client Mode Ethernet Wireless connect PC or local network, Another Wireless Interface work for a WAN port connect to other wireless AP or router.	

4. 3G/4Gs set up, choose"3G/4G Device" in "Dial Device" and select "Auto select 3G/4G ISP" without changing the default settings.

Auto select 3G/4G ISP 3G/4G ISP APN Pin Code	G/4G VPN LAN	Wireless Security Server Routing	Admin Logout
Dial Device Compared and Compar	Break-Detection	DDNS	
Authentication Auto Dial-up G Router will reboot after dial: 5 Extra AT cmd G Network of 3G/4G CDMA 1X/EVDO/LTE G	 3G/4G Device O UART WCDMA/LTE 3gnet *99# Auto O CHAP O F 5 use ';') CDMA 1X/EVDO Hybrid 3G/4G Top-prority 	1 DAP times failed. (0 will disabled) (If there are more then one AT cmd, please	Help 3G/4G setup: Setup 3G/4G modem dial information.if enable 'Auto select 3G/4G ISP',The device will automatic input ISP dial information by IMSI. But the fuction olny use for Chinese ISP.
WCDMA/LTE 3	3G/4G Top-prority 💌	APPLY	

5. Choose "Lan" to do the related settings.

M2M 3G WiFi Mod	dule	语	害/Language:	English	~	Chi	na Unicom Version:	Tull wcdma 2.1.7.6
Status Mode	3G/4G VPN	LAN	Wireless	Security	Server	Routing	Admin	Logout
► Setup Bindi	ng DHCP-Table							
LAN							Help	
IP Address	192.168.10.1						LAN: IP	
Subnet Mask	255.255.255.0						modified I	
								Clone' can
DHCP Server Setup								address as
Enable DHCP serv	er	-					required.	
Start IP Address	192.168.10.2							
End IP Address	192.168.10.254							
Lease time	1440 minut	e(s)						
Note: Addresses that include LAN IP.	t can be allocated must	be in the	e same segmer	nt with LAI	N IP and co	ould not		
				A	PPLY	CANCEL		

6. Choose"Wireless" to modify the SSID name and password.

M2M 3G WiFi Modu	le	语言/Lar	oquage: English		na Unicom Version:	Tuill wcdma 2.1.7.6
Status Mode	3G/4G VPN	LAN Wi	reless Security	Server Routing	Admin	Logout
Basic Security	Advanced	WDS	Station List	Mac Access		
Basic Wireless Enabled 802.11 Mode SSID Do Not Broadcast SSID Channel HT Channel HT Data Rates Channel BandWidth Guard Interval 20/40 BSS Coexistence 40Mhz Intolerant	✓ 11b/g/n mixed mode ✓ MDVR 2437MHz (Channel 6) 2457MHz (Channel 10) Auto ✓ 20 ● 20/40 ○ Long ● Auto ○ Disable ● Enable ● Disable ● Enable	9				Setup AP I.11n/b/g
			LA J	PPLY CANCEL		

7. Choose "Wireless"-- "Security" to modify the "Encrypt type" and "WPA-PSK key", then click "APPLY".

M2M 3G WiFi Modu	ile	语言/Lar	nguage: <mark>English v</mark>		na Unicom Version:	Tull wcdma 2.1.7.6
Status Mode	3G/4G VPN	LAN Wi	reless Security	Server Routing	Admin	Logout
Basic Security	Y Advanced	WDS	Station List	Mac Access		
Security Security Mode WPA-PSK Encrypt Type WPA-PSK Key Rekey Interval	WPA2-PSK O TKIP O AES O TKI admin999 (8-63 ASCII character 3600 second(s)		decimal characters	<0-9 or a-f, A-F>)	wireless	ty: Setup AP security. 2PSK , AES hoice.
			API	PLY CANCEL		