

# Mobile DVR User Manual

——***SAFE DRIVING***



# MDVR/MNVR Brief User Manual

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## SPECIFICATION

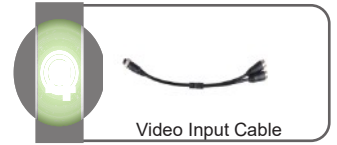
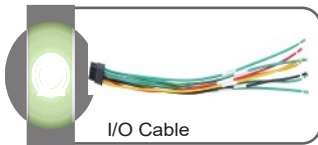
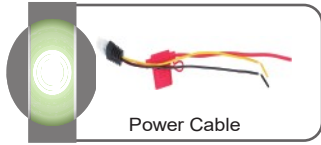
### 4-CH/8-CH AHD Mobile DVR

### 4-CH HDD Mobile NVR

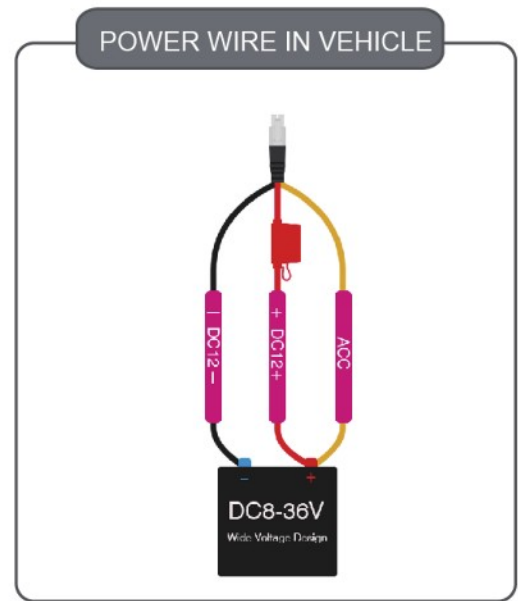
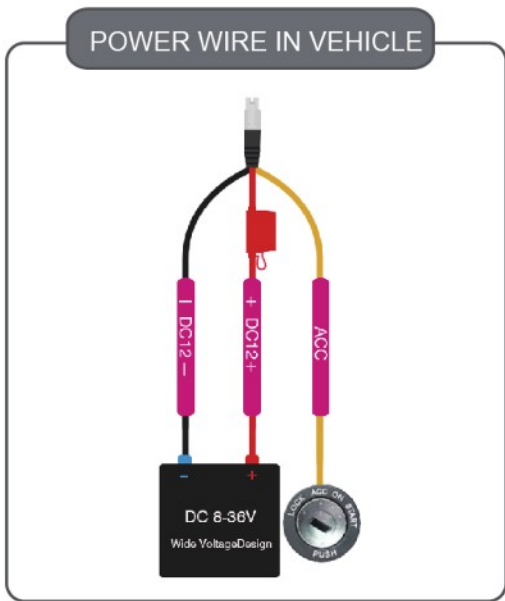
Items	Parameter	Performance
System	Chipset	Hi3520DV300
	System	Linux
	Language	Chinese/English/Russia etc
	Interface	Visual GUI,Support Mouse
	Account Management	Admin/Sub-User management
Record	Video Standard	PAL/NTSC
	Video Input	4-CH AHD Input      8-CH AHD Input
	Resolution	1080P/720P      1080N/720P
	Video Output	1-CH CVBS + 1-CH VGA Output
	Image Quality	0-7 levels adjustable (0 is the best)
	Recording Mode	Boot up/Manual/Schedule/Alarm Record
	Motion detection	Support
Audio	Audio Input	4-CH/8-CH Audio input
	Audio recording	Audio & Video synchronized recording
	Audio Compression	G.726
	Audio Output	1-CH Audio Output
Playback	Mode	Playback by Time/File/Channel/Event
	Playback Channel	4-CH Local Playback
Interface	USB Port	1-CH USB 2.0 For Mouse or Upgrade Extendable 2-CH RS232 & 2-CH RS485
	I/O Alarm Input	4-CH
	I/O Alarm Output	1-CH
Function	GPS	Optional
	3G/4G Network	3G WCDMA/4G LTE Optional
	WIFI Network	Optional
	RJ45 Ethernet Network	Optional
Others	Pre-Recording	0-15s
	Post-Recording	15s-300s
	G-sensor	Support
	Upgrade Mode	Local Upgrade by USB/SD card
		Remote Upgrade by 3G/4G
	Storage	Max 1x 2TB HDD + 2x 128GB SD Card
		Max 2xSD Card(SD Card MDVR)
	Voltage Input	DC8-36V
Temperature	-20 <sup>o</sup> C - +70 <sup>o</sup> C	
Weight	2.35KG	

Items	Parameter	Performance
System	Chipset	Hi3520DV300
	System	Linux
	Language	Chinese/English/Russia etc
	Interface	Visual GUI,Support Mouse
	Account Management	Admin/Sub-User management
Record	Video Standard	PAL/NTSC
	Video Input	4-CH IPC Input,Built-in POE Switch
	Resolution	1080P/720P
	Video Output	1-CH CVBS + 1-CH VGA Output
	Image Quality	0-7 levels adjustable (0 is the best)
	Recording Mode	Boot up/Manual/Schedule/Alarm Record
	Motion detection	Support
Audio	Audio Input	4-CH Audio input
	Audio recording	Audio & Video synchronized recording
	Audio Compression	G.726
	Audio Output	1-CH Audio Output
Playback	Mode	Playback by Time/File/Channel/Event
	Playback Channel	4-CH Local Playback
Interface	USB Port	1-CH USB 2.0 For Mouse or Upgrade Extendable 2-CH RS232 & 2-CH RS485
	I/O Alarm Input	4-CH
	I/O Alarm Output	1-CH
Function	GPS	Optional
	3G/4G Network	3G WCDMA/4G LTE Optional
	WIFI Network	Optional
	RJ45 Ethernet Network	Optional
Others	Pre-Recording	0-15s
	Post-Recording	15s-300s
	G-sensor	Support
	Upgrade Mode	Local Upgrade by USB/SD card
		Remote Upgrade by 3G/4G
	Storage	Max 1x 2TB HDD + 2x 128GB SD Card
		Max 2xSD Card(SD Card MDVR)
	Voltage Input	DC8-36V
Temperature	-20 <sup>o</sup> C - +70 <sup>o</sup> C	
Weight	2.35KG	

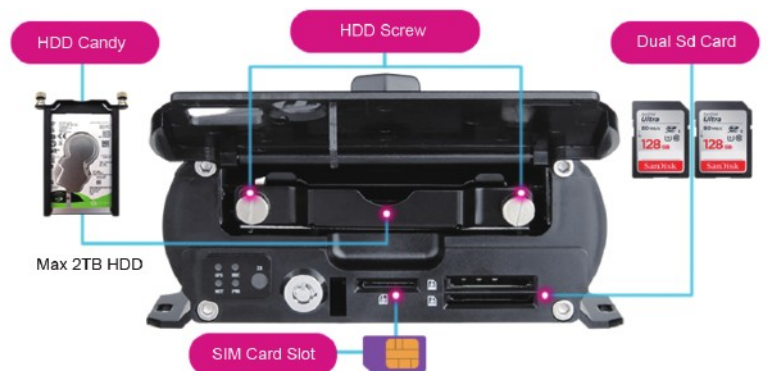
## SPECIFICATION

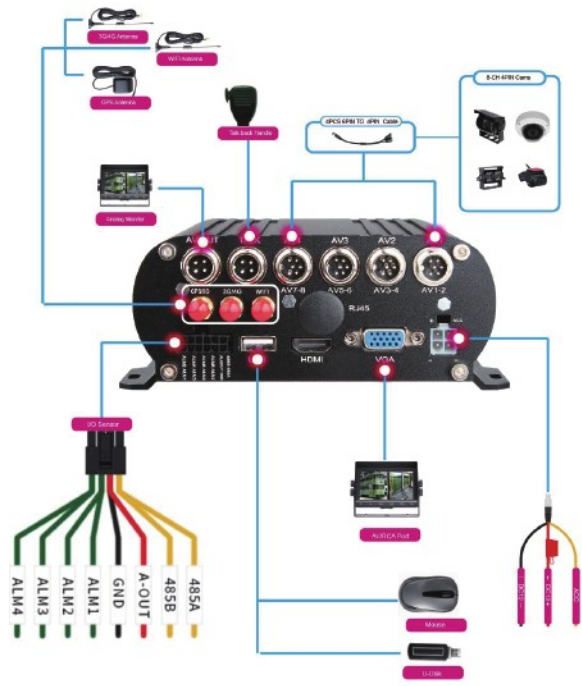


## SPECIFICATION



## INSTALLATION



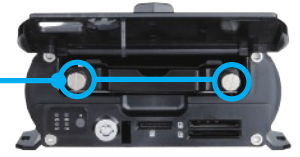


## HDD Candy Installation

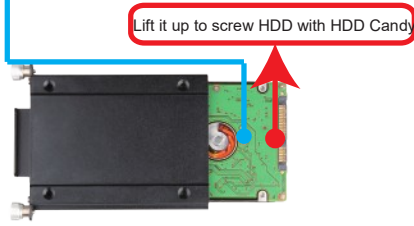
1 Open MDVR Shell by MDVR Key



2 Twist loose screws and take out of the HDD Candy



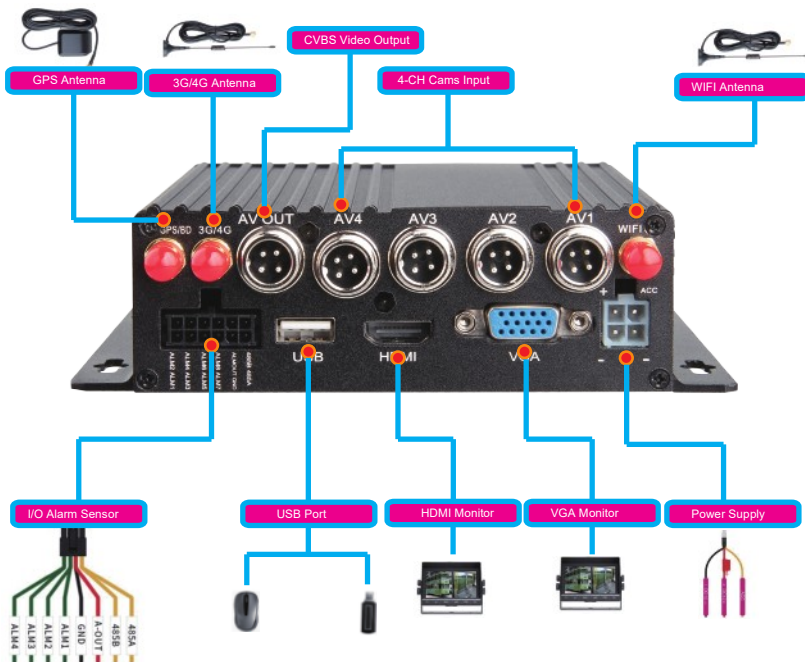
3 Insert HDD Into HDD Candy



4 Screws HDD and Insert HDD into MDVR

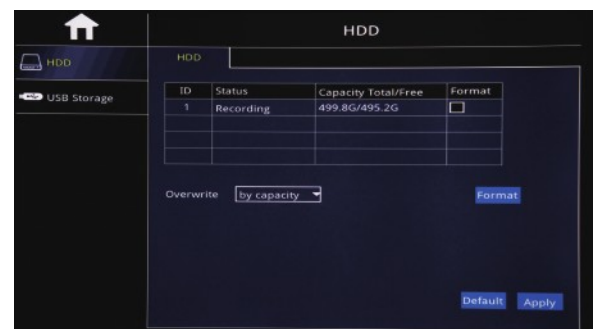


## SPECIFICATION



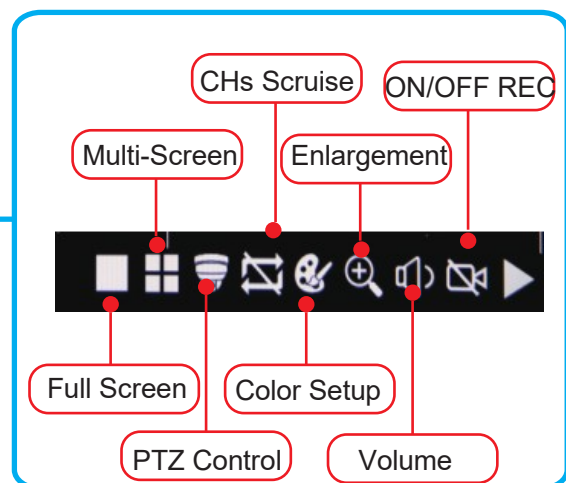
### NOTE

**IMPORTANT:** For 1st Time HDD use, Please kindly format SD Card in MDVR at first. DISK=>HDD=>FORMAT



## CONTROL BAR

After Start MDVR, See MDVR UI like the Picture below



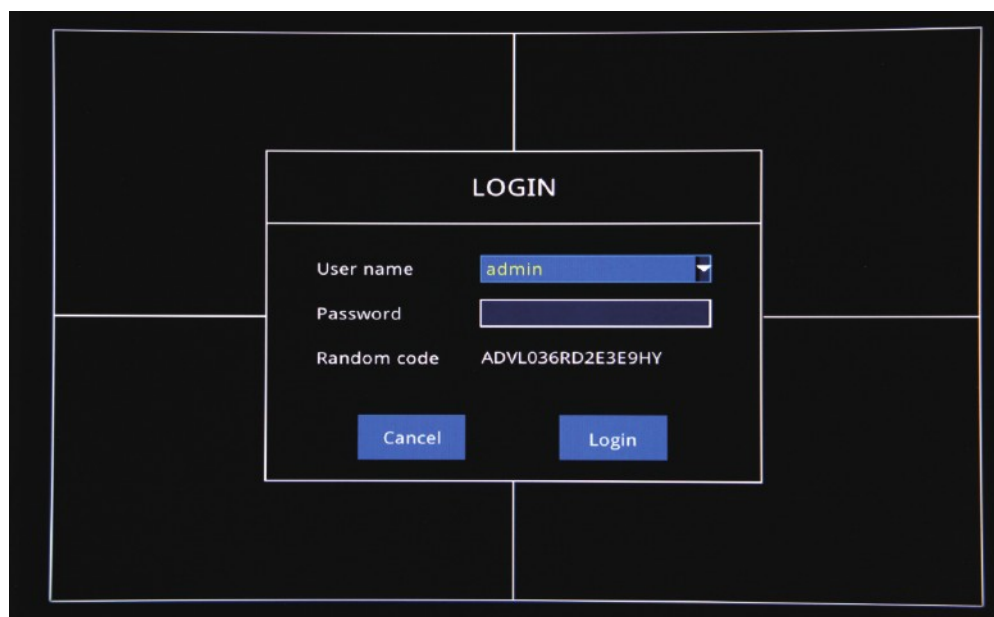
## ENLARGEMENT

Click Enlarge button, and Drag Mouse to select a special area to auto enlarge.



## PLAYBACK

Step-01: Login MDVR Menu, User Name: admin, Password: Null (No Password)



LOGIN	
User name	admin
Password	
Random code	ADVL036RD2E3E9HY
Cancel	Login

Step-02: Login "Search"=>Setup Playback time & CHs=> Search Out Video files, Like the Picture belows:

**SEARCH**

Calendar: Jan. 2019. Selected date: 9.

Start time: 00:00:00  
End time: 23:59:59  
Record type: All

CH:  1  2  3  4  
 5  6  7  8

	CH	Start time	End time	Type	Status
<input type="checkbox"/>	3	14:54:29	15:33:08	Normal	Unlock
<input type="checkbox"/>	6	14:54:29	15:33:07	Normal	Unlock
<input type="checkbox"/>	1	14:54:30	15:33:08	Normal	Unlock
<input type="checkbox"/>	2	14:54:30	15:33:16	Normal	Unlock
<input type="checkbox"/>	5	14:54:30	15:33:06	Normal	Unlock
<input type="checkbox"/>	7	14:54:30	15:33:08	Normal	Unlock
<input type="checkbox"/>	8	14:54:31	15:33:07	Normal	Unlock
<input type="checkbox"/>	3	15:38:12	15:51:37	Normal	Unlock
<input type="checkbox"/>	5	15:38:12	15:51:38	Normal	Unlock
<input checked="" type="checkbox"/>	6	15:38:12	15:51:38	Normal	Unlock

Buttons: Search, Backup, Playback, First, Prev, Next, Last, Backup, Lock, Unlock

Step-03: Check Video File=> Click "Playback"=>Choose the Playback CHs (Max 4-CH)=> Click "Playback"

**SEARCH**

Calendar: Feb. 2019. Selected date: 21.

Start time: 00:00:00  
End time: 23:59:59  
Record type: All

CH:  1  2  3  4  
 5  6  7  8

	CH	Start time	End time	Type	Status
<input checked="" type="checkbox"/>	1	00:00:00	09:55:39	Normal	Unlock
<input type="checkbox"/>	3	00:00:00	09:55:39	Normal	Unlock
<input type="checkbox"/>				Normal	Unlock
<input type="checkbox"/>				Normal	Unlock
<input type="checkbox"/>				Normal	Unlock
<input type="checkbox"/>				Normal	Unlock
<input type="checkbox"/>				Normal	Unlock
<input type="checkbox"/>				Normal	Unlock

**Selection**

CH:  1  2  3  4  5  6  7  8

Remark: The maximum playback channel is 4.

Buttons: Clear, Playback, Exit

Buttons: Search, Backup, Playback, First, Prev, Next, Last, Backup, Lock, Unlock

2019-03-05 20:20:04

CH2

10:31:32

50

**CONTROL BAR**

- Fast Backward
- Enlargement
- Cutt Off Video
- Open Bar
- Play by Frame
- AVI Back up
- Logout
- Hidden Bar
- Pause
- Slow Play
- Fast Forward
- Volume Adjust

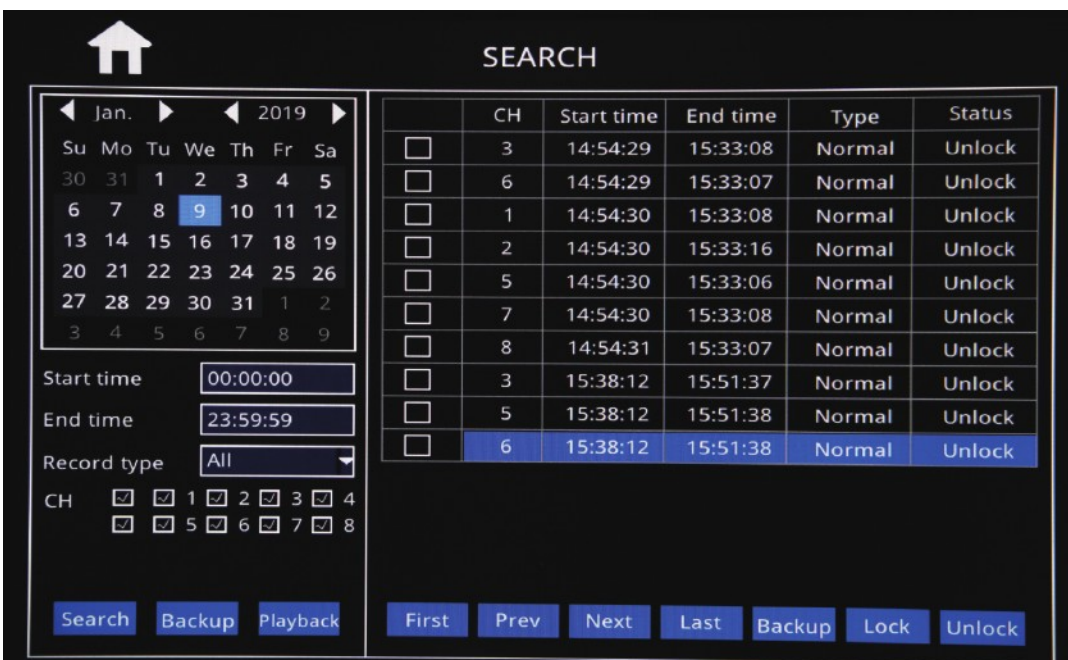
Step-01: Insert U-Disk or External HDD into MDVR Via USB Port



Step-02: Come into "Disk" => USB Storage => **Format**

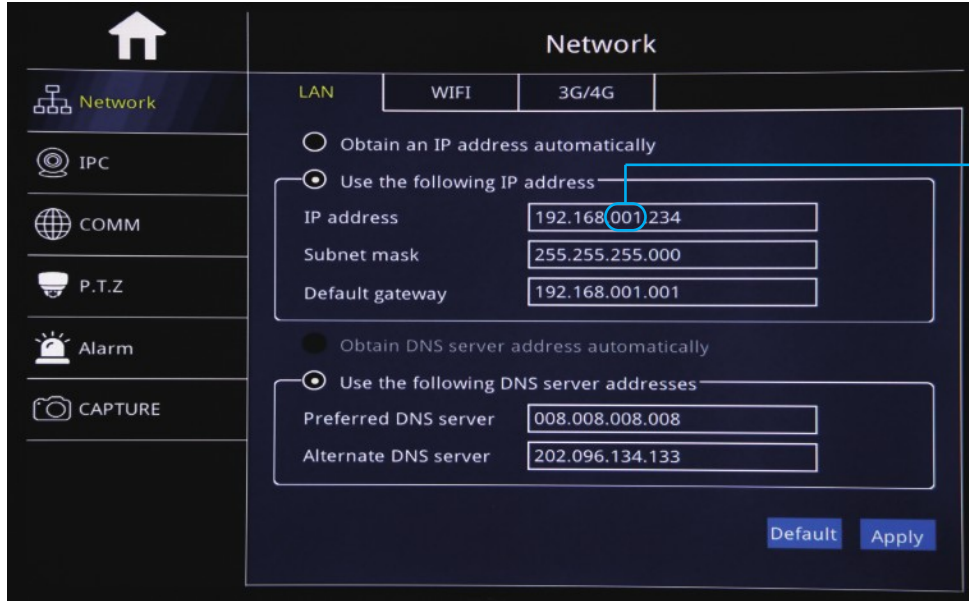


Step03: "Search" => Search Out Recorded videos



# IPC Camera Setup

Step-01: Log in MDVR Menu, "Network" => "Network" => "Lan" To Setup The Segment of LAN IP to be The same as that of IPC

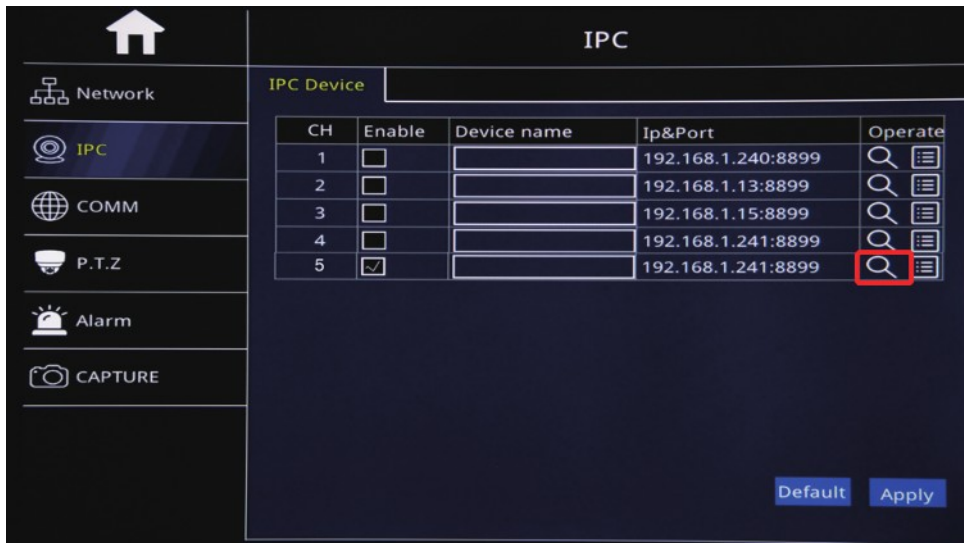


**Note**

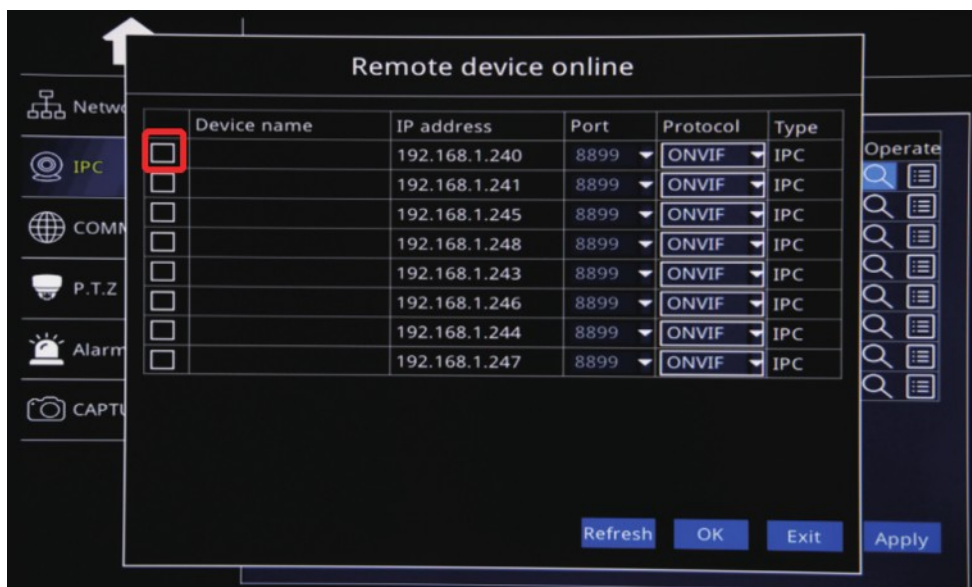
You can use "Obtain an IP address automatically" or Setup a IP by manual. The More important is that the IP address of MDVR must have the same Segent as that of IPC Cam address.

For Example, The IP address of IPC cam is 192.168.1.101, the Segment is 1, so the MDVR IPC also must be 1 Segment, I like, xxx.xxx.1.xxx

Step-02: IPC Setup, Login MDVR Menu, "Network" => "Network" => "IPC" => "Enable" (Default) => Click Search " 



Step-03: 3th Step: After Search out the IPC Address, Check The IPC Adress => "Ok" => "Apply" => done => Video will show





## Motion Detection Setup

Step-01: Login MDVR GUI=>"Basic"=>"Record"=>Mode: Schedule



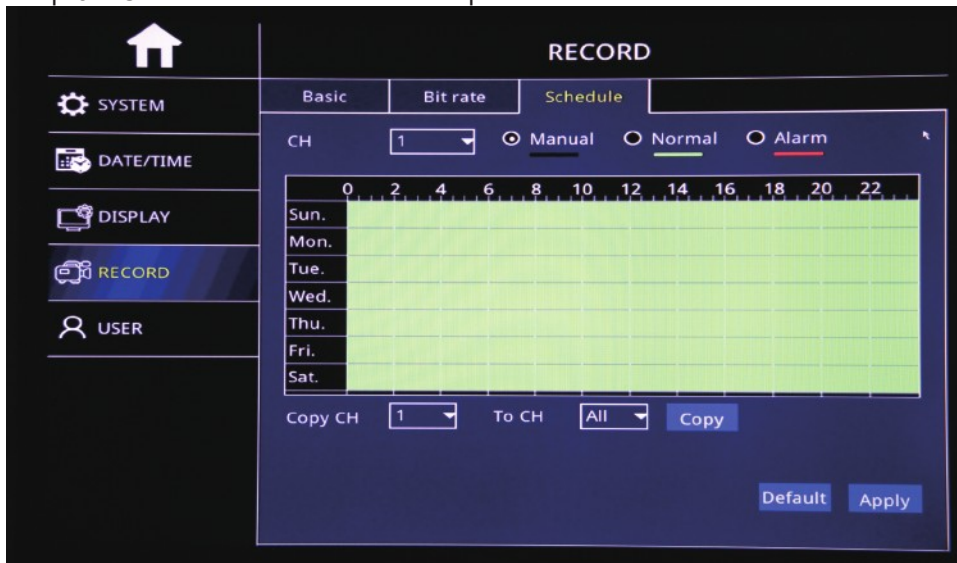
The screenshot shows the 'RECORD' configuration page in the 'Basic' tab. A table lists four channels with their recording modes set to 'Always'. A blue box highlights the 'Mode' column, with callouts pointing to 'Always Mode' and 'Schedule Mode'.

CH	Enable	Audio	Mode
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Always

Copy CH: 1 To CH: All Copy

Default Apply

Step-02: Come into "Schedule"=> Setup "Alarm" Time in Red



The screenshot shows the 'RECORD' configuration page in the 'Schedule' tab. The 'Alarm' radio button is selected. A 24-hour grid is shown for each day of the week, with a red line indicating the alarm time.

CH: 1 Manual Normal Alarm

0 2 4 6 8 10 12 14 16 18 20 22

Sun. Mon. Tue. Wed. Thu. Fri. Sat.

Copy CH: 1 To CH: All Copy

Default Apply

Step-03: Come into "Advance"=>"Alarm"=>"Motion"=> Check Motion CHs and Sensitivity (1=Highest)



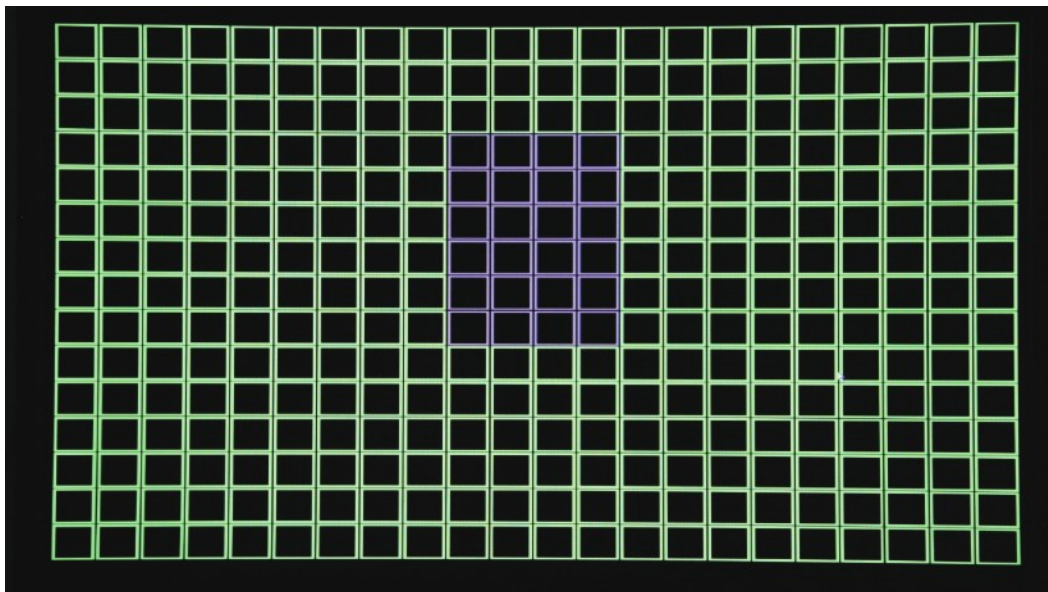
The screenshot shows the 'Alarm' configuration page in the 'Motion' tab. A table lists four channels with their motion detection settings. Channel 4 has the highest sensitivity (1).

CH	Enable	Sensitivity	Area	Schedule	Trigger
1	<input checked="" type="checkbox"/>	2	Settings	Settings	Settings
2	<input checked="" type="checkbox"/>	2	Settings	Settings	Settings
3	<input checked="" type="checkbox"/>	2	Settings	Settings	Settings
4	<input type="checkbox"/>	1(Highest)	Settings	Settings	Settings

Copy CH: 1 To CH: All Copy


Default Apply

Step-04: Click Area "Settings" to Setup Motion Detection Area




**NOTE**

MOTION AREA COLOR



NO-MOTION AREA COLOR



Step-05: Click Trigger "Settings" to Setup Alarm linkage function



## DST Time Setup

Login MDVR Menu=>"Basic"=>"Date/Time"=>"DST" To Setup DST Time



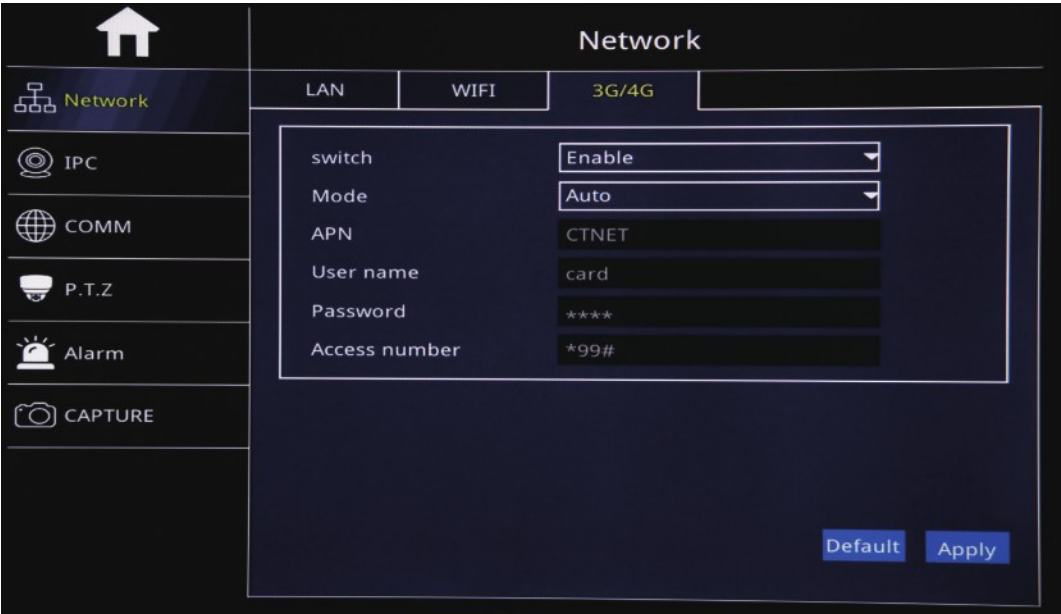


# 3G/4G&WIFI Setup

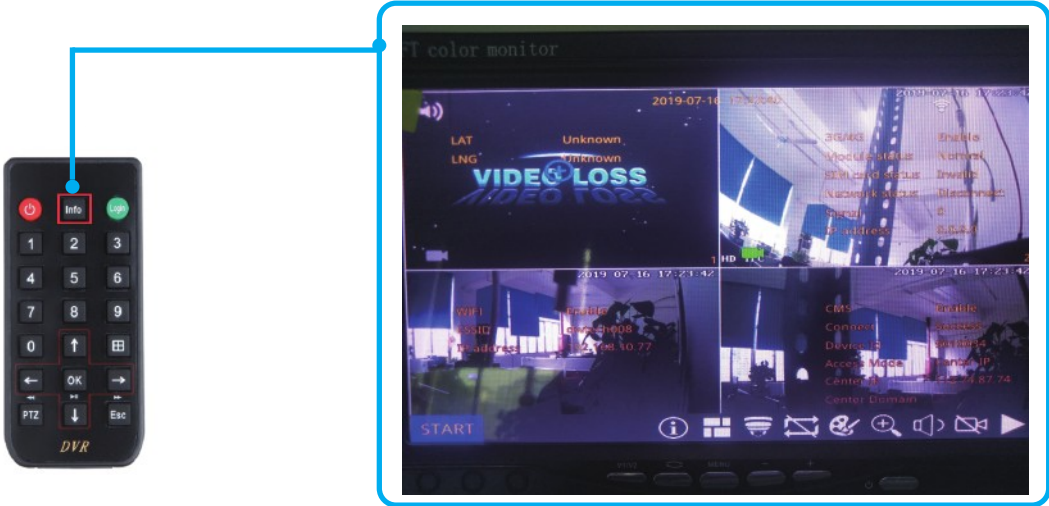
Step-01: Login MDVR Menu=>"ADVANCE"=>"NETWORK"=>"WIFI"=>"Enable" to auto search out WIFI SSID=>Click the WIFI SSID=> Input Password=> Connect WIFI



Step-02:After WIFI Setup=>"3G/4G"=>"Switch: Enable"=>"Mode:Manual"=> Input "APN"=> "Access Number:\*99#"

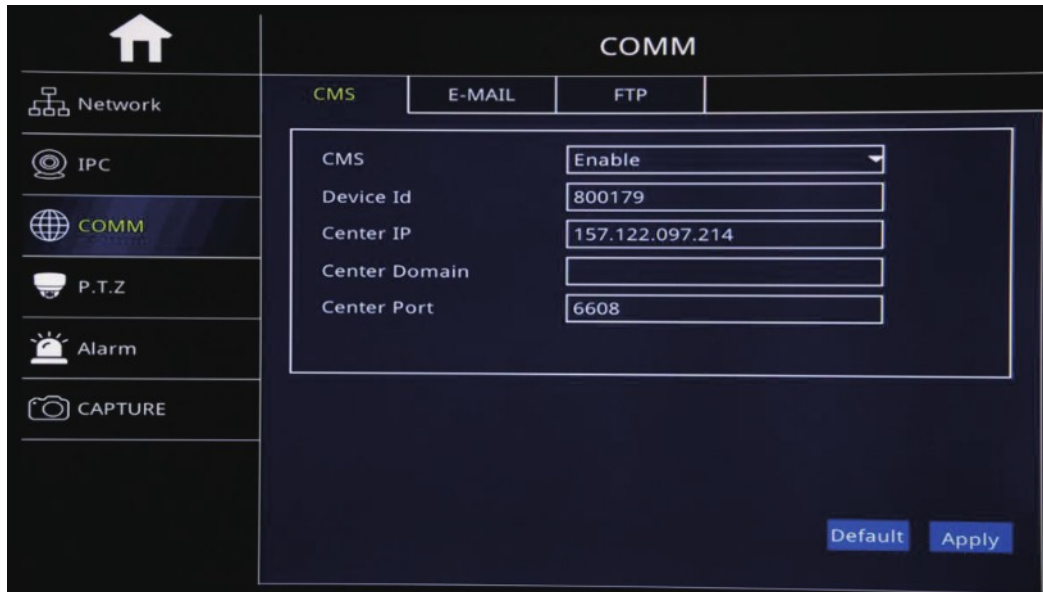


Step-03: After Setup, "Net" Led On and Press "Info" Button to check network connection Status, If All success, the device already connected with Server and can login CMSV6 to see the live video.



## NOTE

If connect with Customer Server, Please kindly Login MDVR Menu=>"ADVANCE"=>"COMM"=>"CMS" To Change Server IP,Device ID and Port

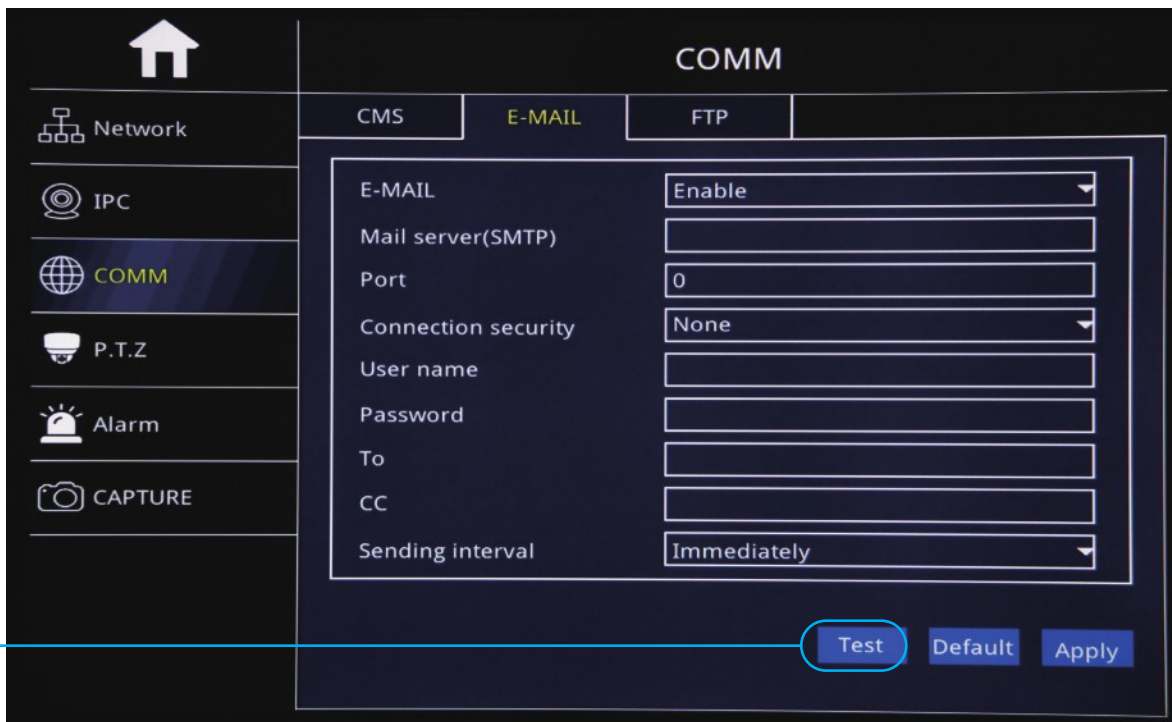


The screenshot shows the MDVR web interface. On the left is a navigation menu with icons for Network, IPC, COMM (highlighted), P.T.Z, Alarm, and CAPTURE. The main area is titled 'COMM' and has three tabs: 'CMS', 'E-MAIL', and 'FTP'. The 'CMS' tab is active, showing a configuration form with the following fields: 'CMS' (dropdown menu set to 'Enable'), 'Device Id' (text box with '800179'), 'Center IP' (text box with '157.122.097.214'), 'Center Domain' (empty text box), and 'Center Port' (text box with '6608'). At the bottom right of the form are 'Default' and 'Apply' buttons.

## Email Setup

**Function Description: When Alarm Trigger, The MDVR will Auto Send Email to users**

Step-01: Login MDVR Menu=>"ADVANCE"=>"COMM"=>"E-MAIL"=>"E-mail: Enable"=>Input Media Server(SMTP)  
=> Port=> Connection Security: "None,SSL/TLS" Optional=> User Name: Sender's Email address=> Password:  
Sender's Email Password=> To: User's/Reciever's Email Address=>CC:Copy Email's Address



The screenshot shows the MDVR web interface. On the left is a navigation menu with icons for Network, IPC, COMM (highlighted), P.T.Z, Alarm, and CAPTURE. The main area is titled 'COMM' and has three tabs: 'CMS', 'E-MAIL', and 'FTP'. The 'E-MAIL' tab is active, showing a configuration form with the following fields: 'E-MAIL' (dropdown menu set to 'Enable'), 'Mail server(SMTP)' (empty text box), 'Port' (text box with '0'), 'Connection security' (dropdown menu set to 'None'), 'User name' (empty text box), 'Password' (empty text box), 'To' (empty text box), 'CC' (empty text box), and 'Sending interval' (dropdown menu set to 'Immediately'). At the bottom right of the form are 'Test', 'Default', and 'Apply' buttons. A blue circle highlights the 'Test' button.

## NOTE

After Setup the info, Please kindly click "Test" button to send a test alarm email to you and verify all the setup well.

Step-02:Login MDVR Menu=>"ADVANCE"=>"ALARM"=>"Motion/Sensor/Video Loss/ Other" Alarm Setup=>"Trigger"  
=>Check "Email" Button.

