25.3CM

6.8CM

16.7CM

10 Inch

Latest Chip Set Technology

10.1INCH 1024*600 HD MONITOR 4-CH 1080P Real-Time Recording Supports up-to 512GB SD Card

USB Port - Connect Wireless Mouse or easily export videos 3-8CH Alarm Input,1-CH Alarm Output

## SPECIFICATION

| MONITOR SPECIFICATION | |
|---|---|
| Chipset | Hi3520D V300 |
| Screen Size | 10.1INCH |
| Screen ratio | 16:9 |
| Black Light Luminance | LED,500cd/m2 |
| Resolution | 1024*600 |
| Operation Langue | Chinese/English/Spanish etc |
| Viewing Angle | Hor: L(70) R(70); Ver: UP(50) DOWN(70) |
| Image reversion | UP/Down and Left/Right |
| Power requirement | 12 / 24V DC , Range 11-32V DC |
| Power consumption | ＜8W |
| Shockproof level | 10G |
| **DVR FEATURES** | |
| Video Compression | H.264 |
| Channels | 3-8CH |
| Resolution | 1080P Real-time Recording |
| Storage | Support Max 512GB SD Card |
| USB Port | Support for Mouse/Video Backup |
| I/O Sensor | 4-CH Alarm Input |
| Temperature | -30℃ to 70℃ |



GPS Antenna

3G/4G/LTE Antenna

WIFI Antenna

AV OUT  TALK  AV4  AV3  AV2  AV1

GPS80  3G/4G  WIFI  AV7-8  AV5-6  AV3-4  AV1-2

RJ45

USB  HDMI  VGA  ACC

POWER WIRE IN VEHICLE

ALM4 ALM3 ALM2 ALM1 GND A-OUT 485B 485A

DC8-36V

# SPECIFICATION

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| Power requirement | 12 / 24V DC , Range 11-32V DC |
| Power consumption | ＜8W |
| Shockproof level | 10G |

| System Specs | | | |
|---|---|---|---|
| System | Chipset | HI3520D V300 | |
| | Language | Chinese/English/Russia etc | |
| | System | Linux | |
| | Interface | Visual GUI,Support Mouse | |
| Record | Video Standard | PAL/NTSC | |
| | Video Input | 4-CH AHD Input | 8-CH AHD Input |
| | Resolution | 1080P/720P | 1080N/720P |
| | Image Quality | 4 levels adjustable | |
| | Record Mode | Boot Record/Event Record | |
| | Motion Detection | Support | |

| | | |
|---|---|---|
| Network | 4G Network | Support |
| | WIFI Network | Support |
| | Ethernet Network | N/A |
| Playback | Video Search | Search by Date or by Event |
| | 4-CH Playback | Support |
| | Fast /Back Forward | Support Fast/Back forward Playback |
| Interface | GPS | Support |
| | USB Port | Support Mouse/USB Backup |
| | I/O Input | 4-CH I/O Alarm input |
| Others | SD Card | Dual SD Card, Max 512GB |
| | Voltage | DC8-36V |
| | Working Temperature | -30℃ to +70℃ |
| | Humidity | 20% to 80% |
| | Dimension | 150mm*88mm |
| | Weight | 0.78Kg |

## DVR FEATURES

| | |
|---|---|
| Video Compression | H.264 |
| Channels | 3-8CH |
| Resolution | 1080P Real-time Recording |
| Storage | Support Max 512GB SD Card |
| USB Port | Support for Mouse/Video Backup |
| I/O Sensor | 4-CH Alarm Input |
| Temperature | -30℃ to 70℃ |

## ACCESSORIES

**1** 4G Antenna

**2** WIfi Antena

**3** GPS Antena

**4** Remote Control

## POWER SUPPLY

POWER WIRE IN VEHICLE

DC 8-36V
Wide VoltageDesign

POWER WIRE IN VEHICLE

DC8-36V
Wide Voltage Design
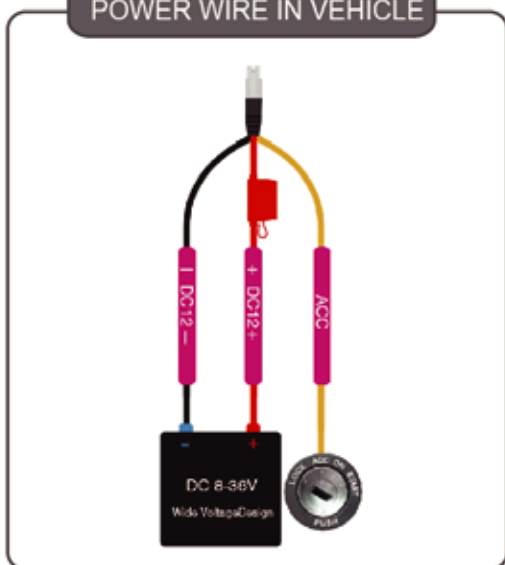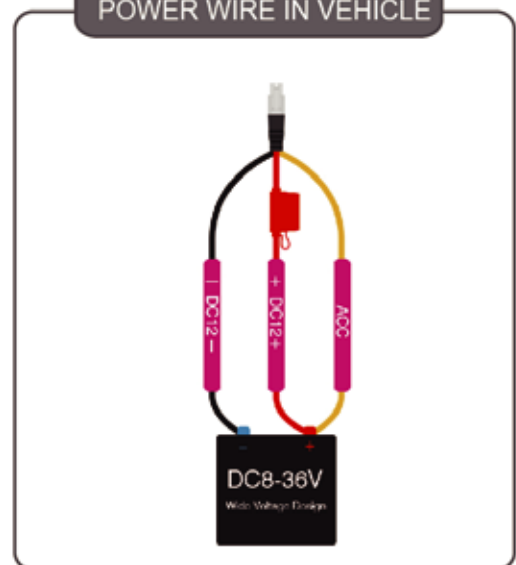
After login. View MNVR bottom menu as pictured below
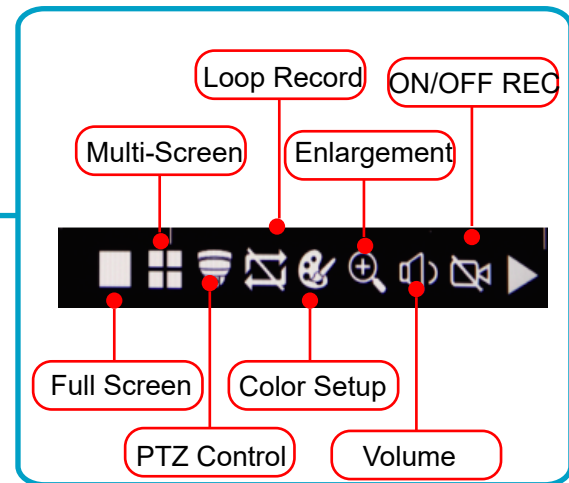
Step-01: Login into MNVR Menu with username and password that was assigned
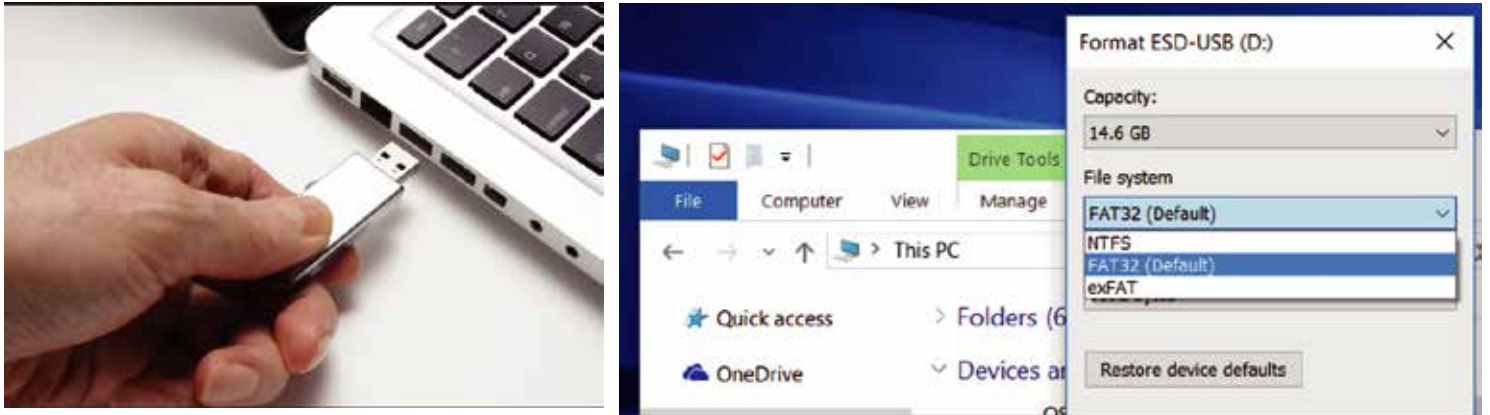
Step-02: Login "Search"=>Setup Playback time & CHs=> Search and check video files that you would like to playback



Step-03: Check Video File=> Click "Playback"=>Choose the Playback CHs (Max 4- CH)=> Click "Playback"
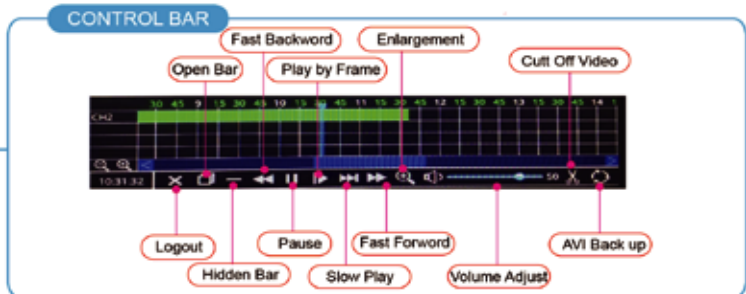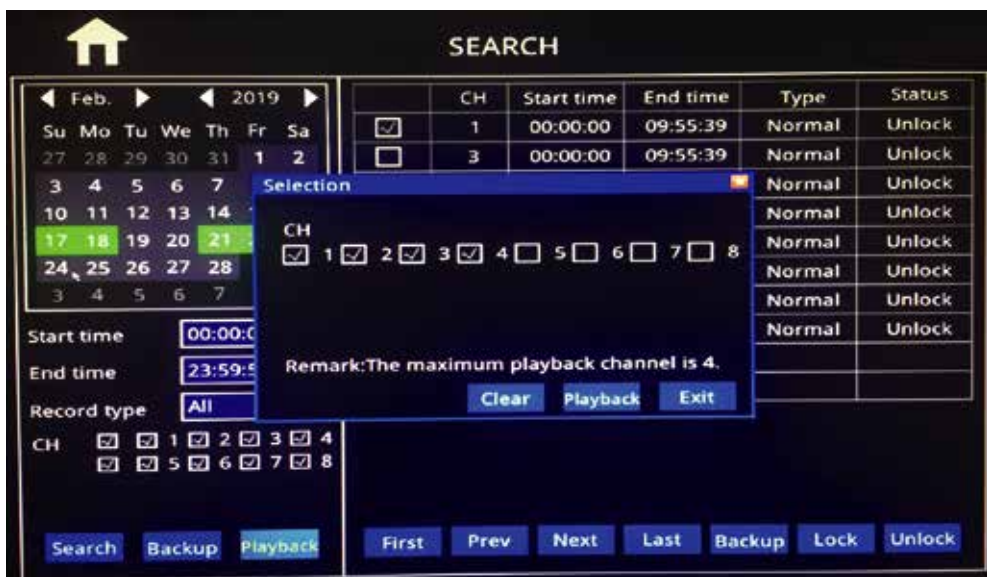
Step-01:Insert thumb drive into PC to Format thumb drive via Fat32 File System



Step-02:After Format, Insert thumb drive into MNVR Via USB Port



USB U-Disk

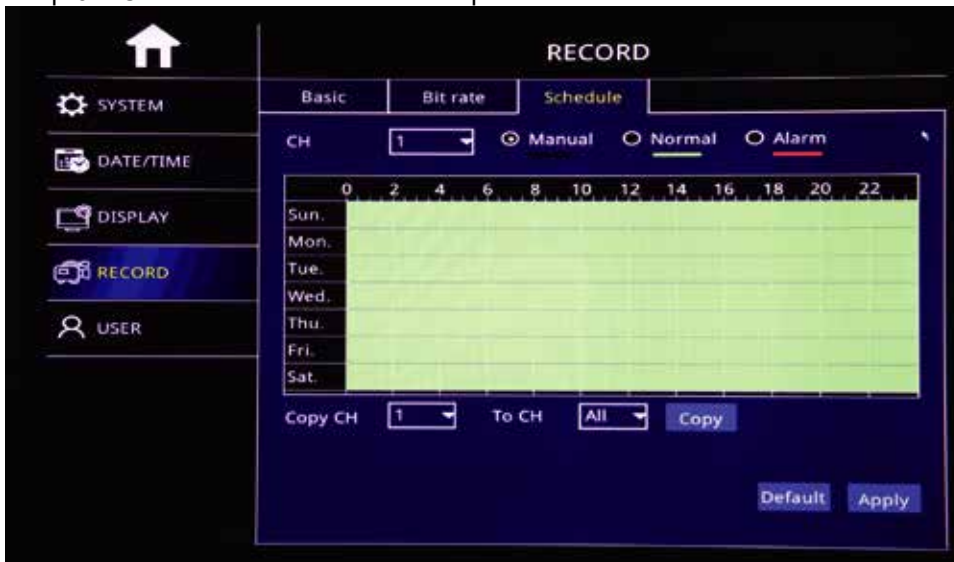Step03:Click "Backup" button or Check Files. Select Backup to back up AVI videos to thumb drive.

Step-01: Login MNVR GUI=>"Basic"=>"Record"=>Mode: Scheduel



Always Mode

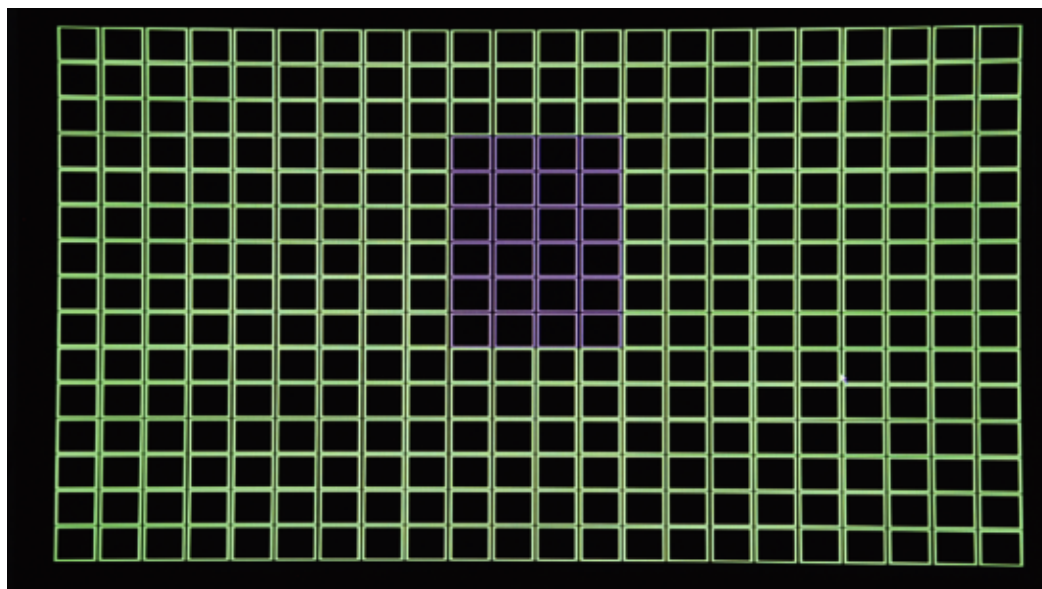Schedule Mode

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



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

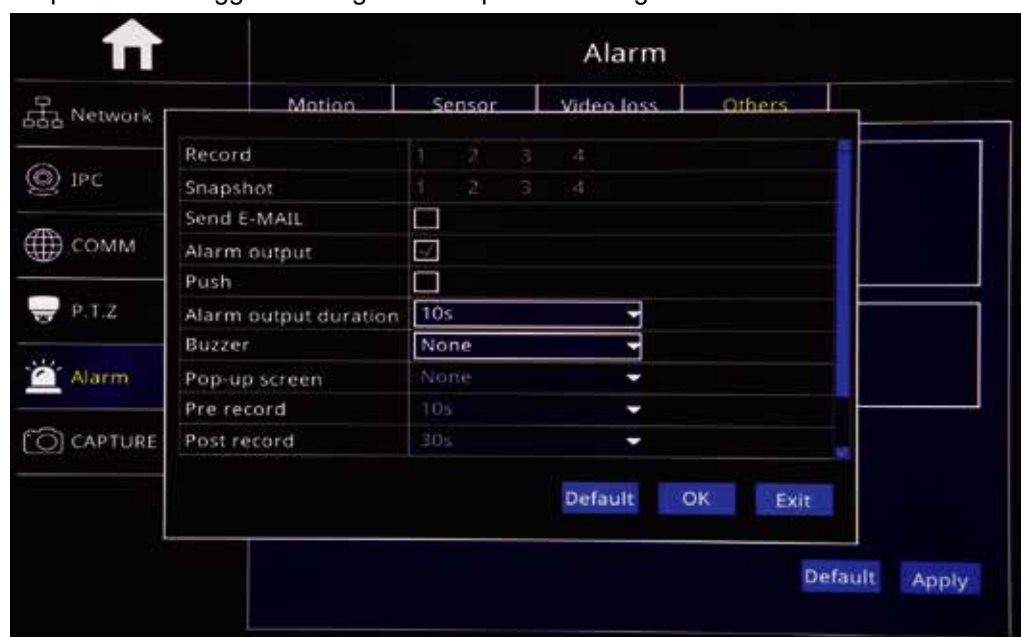Step-04: Click Area "Settings" to Setup Motion Detection Area



**NOTE**

MOTION AREA COLOR

NO-MOTION AREA COLOR

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



**Recording Time Setup**

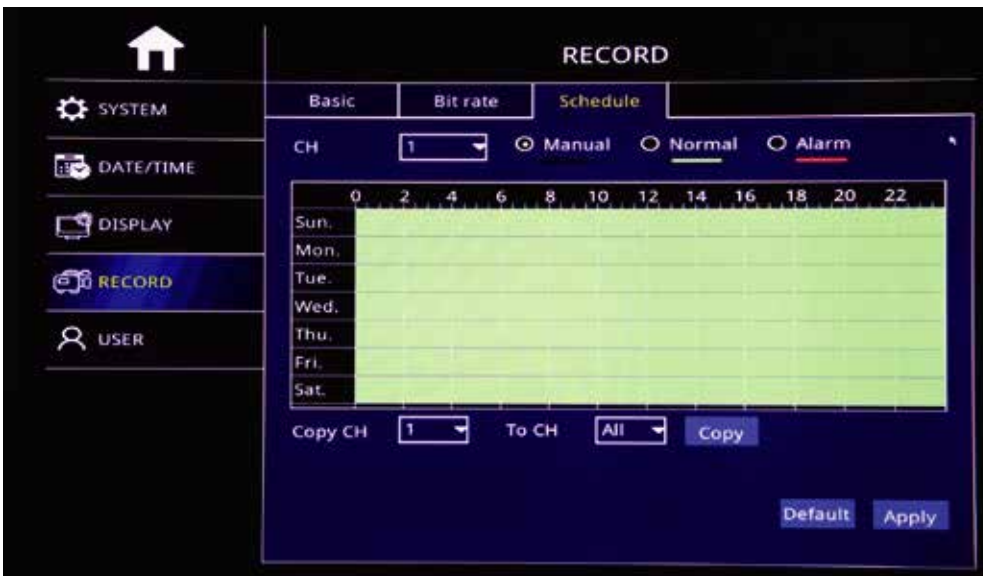Login MNVR Menu=>"Basic"=>"Date/Time"=>"DST" To Setup DST Time

Step-01:Login MNVR Menu=>"Basic"=>"RECORD"=>"BASIC" To Settle Channels & Audio Setup



Step-02: Login "Bit Rate"=>Setup Record Stream



Step-03: Login "Schedule"=>Setup Alarm Record & Manual Record Mode

# Connect to 4G/WIFI



GPS Antenna

3G/4G/LTE Antenna

WIFI Antenna

AV OUT   TALK   AV4   AV3   AV2   AV1

GPS/8D   3G/4G   WIFI   AV7-8   AV5-6   AV3-4   AV1-2

RJ45

USB   HDMI   VGA   + - ACC

POWER WIRE IN VEHICLE

DC8-36V

ALM4   ALM3   ALM2   ALM1   GND   A-OUT   485B   485A

GPS STATUS          REC STATUS

KEYS TO POWER ON/OFF

GPS   REC   IR

IR FOR REMOTE

NET   PWR

SERVER ONLINE STATUS     POWER STATUS

Mobile DVR

SDD CADDY          SDD SCREWS          DUAL SD CARDS

MAX 4TB SDD

SIM CARD SLOT

FAQ-03: WHY DOESNT MY MNVR BOX CONNECT TO THE SERVER AFTER 4G SETUP?

Reason-01: Call carrier to confirm 4G Sim card is on an active US plan
Reason-02: Input APN Wrong, Verify APN t-mobile or AT&T APN credentials
Reason-03: 4G Antenna is not receiving a signal. Verify that 4G antenna is connected to the correct port on the back of the MNVR black box and that it has clear view of sky.
Reason-04: Wrong Server IP and Port entered in menu COMM settings.

If still not connected to server, email pictures of you menu 3G/4G menu settings page

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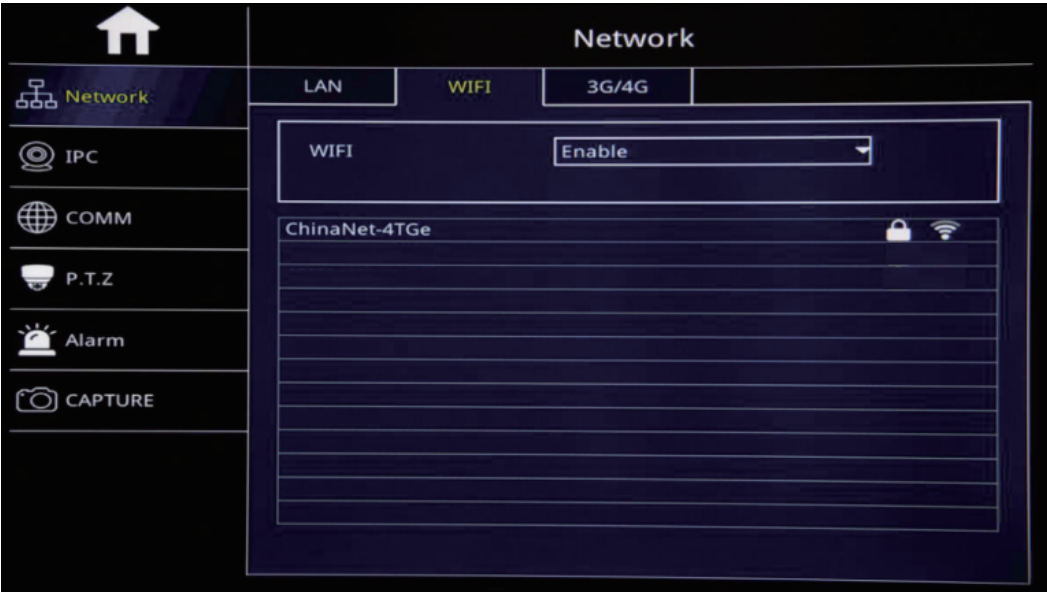


Step-02:3G/4G/LTE Setup=>"3G/4G"=>"Switch: Enable"=>"Mode:Manual"=> Input "APN"  see chart options for correct ATT or TMobile Sim card service  APN=> "Access Number:*99#" - SAVE changes - DO NOT USE CTNET AS APN
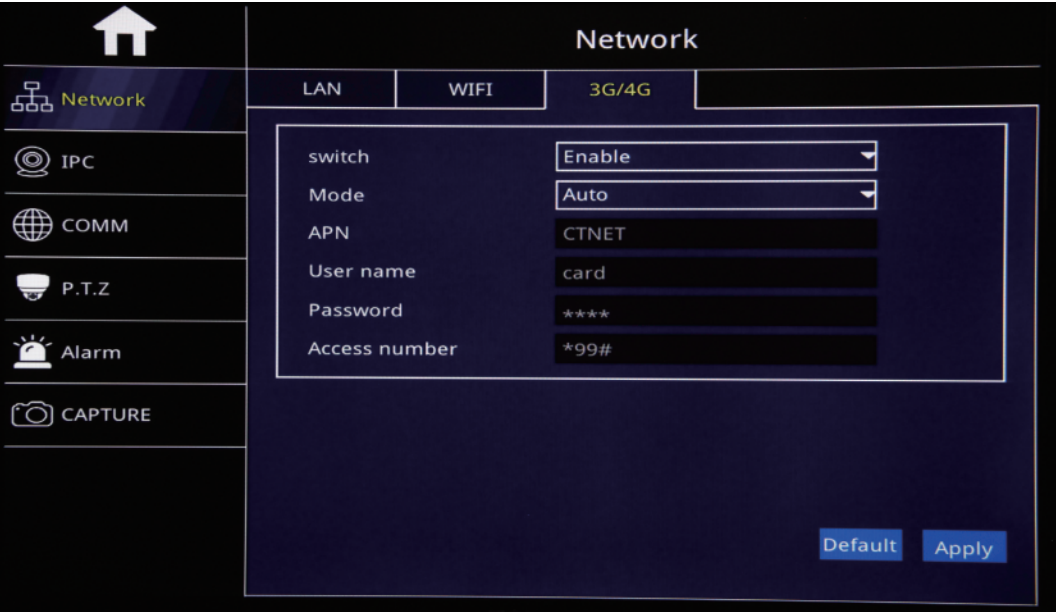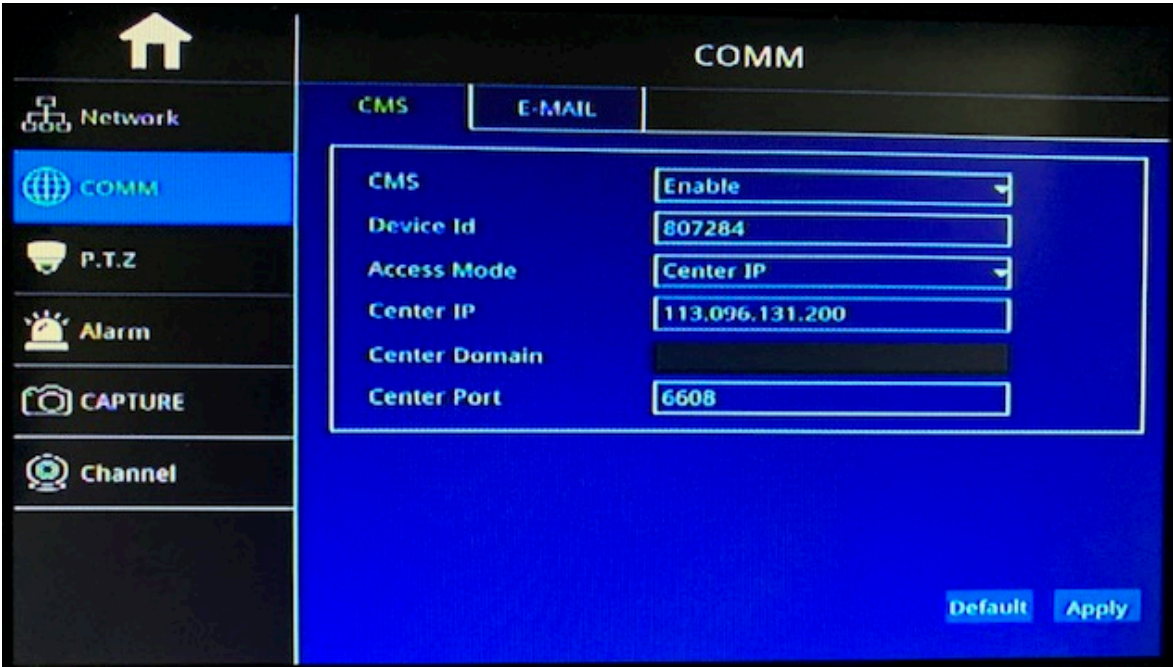


USA CARRIER APN LIST

| 4G Carrier | APN |
|---|---|
| T-Mobile | 3gnet or fast.t-mobile |
| AT&T | broadband |

**COMM**

Once 3G/4G or WIFI has been setup, verify that your CMS menu screen displays the same Center IP and Center Port as pictured below.
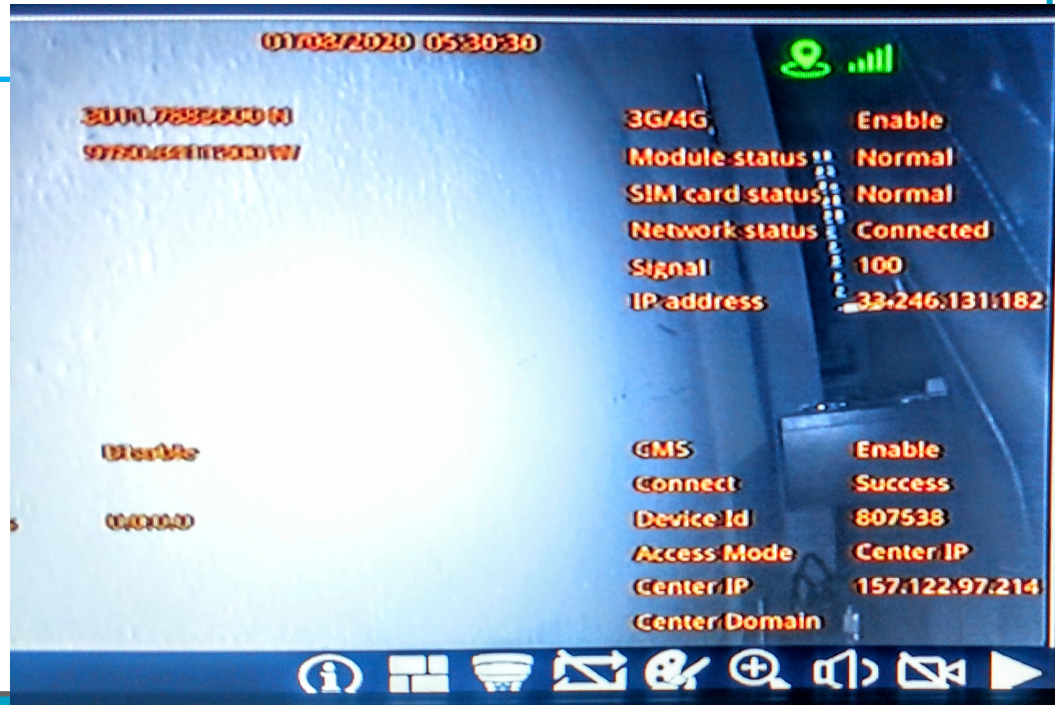
Your device ID should be displayed

Step-03: After 3G/4G Setup, has been setup Press "Info" Button to check network connection Status

CENTER IP should show
**113.96.131.200**



## Email Setup

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

Step-01: Login MNVR 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
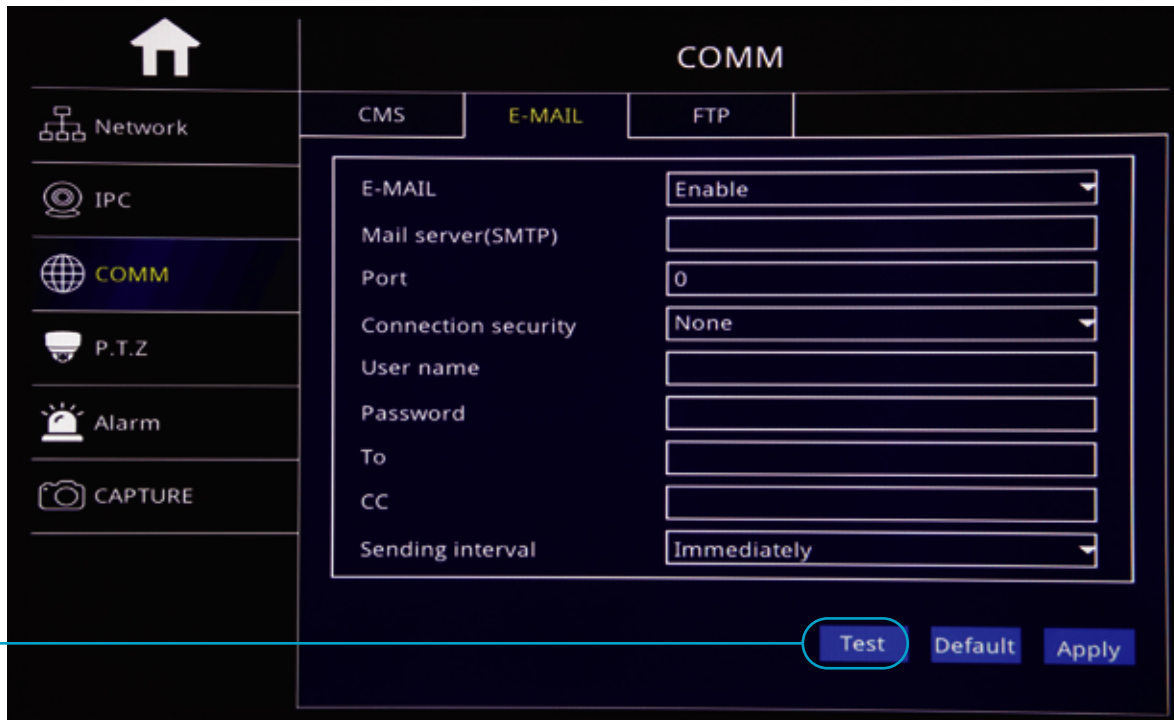


**NOTE**

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 MNVR Menu=>"ADVANCE"=>"ALARM"=>"Motion/Sensor/Video Loss/ Other" Alarm Setup=>"Trigger" =>Check "Email" Button.