

4G MNVR 3 Cam DVR System with Live Streaming, GPS, WIFI with the option to add up-to 8 cameras cameras

LIVE VIEWING

INSTRUCTIONAL MANUAL

DESCRIPTION APPLICATIONS

The MNVR series is a cost-effective, surveillance and remote monitoring. Using our latest high-speed processor with H.264 video compression/ decompression technology, network technology with GPS positioning. This system comes standard with 3 cameras with the option to add up to eight (8) 1080P cameras. Standard full frame recordings up to 8 cams at one time, Resolution options are CIF/HD1/D1/AHD720P/ADH1080P along with multiple recording formats. Our MNVR system allows for driver tracking and remote monitoring using an IP Server. Receive alert triggers like G-Sensor, alarm settings and over speed settings directly to an email or text message. All this when using a remote IP server or remote management, system. MDVR product are simple, elegant, anti-vibration, flexible installations, powerful functions and highly reliable. *7" or 9" LCD Monitor is optional

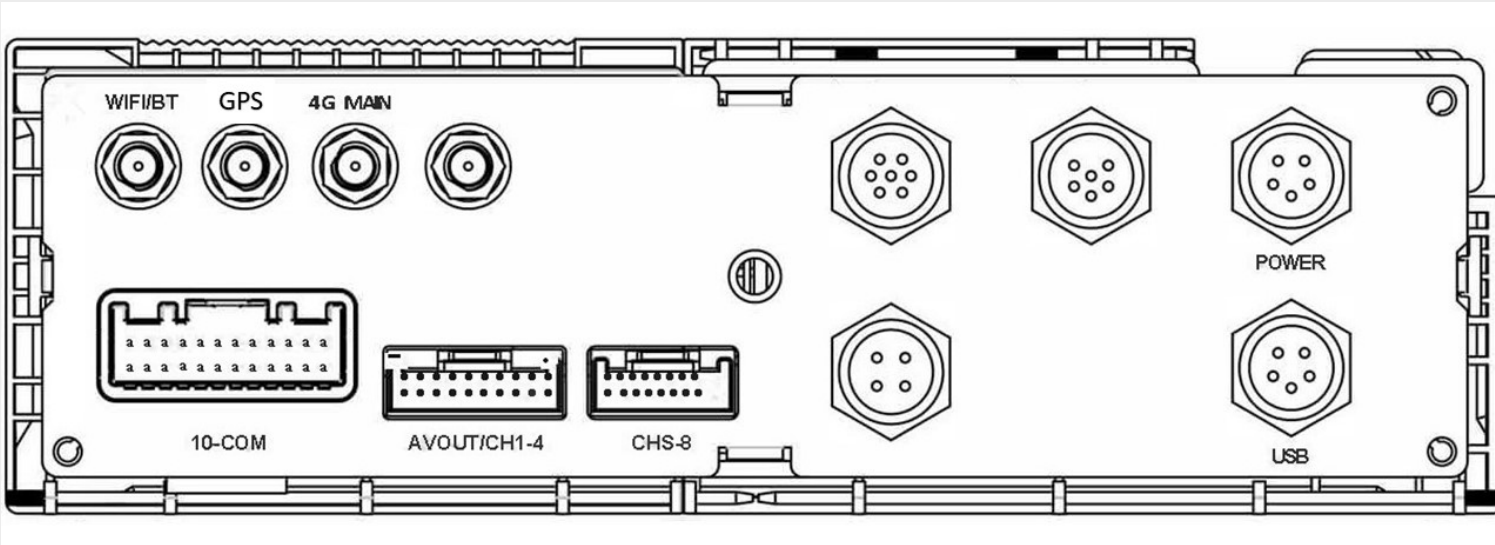


4G MNVR 3 Cam DVR System with Live Streaming, GPS, WIFI
with the option to add up-to 8 cameras cam

Front panel structure

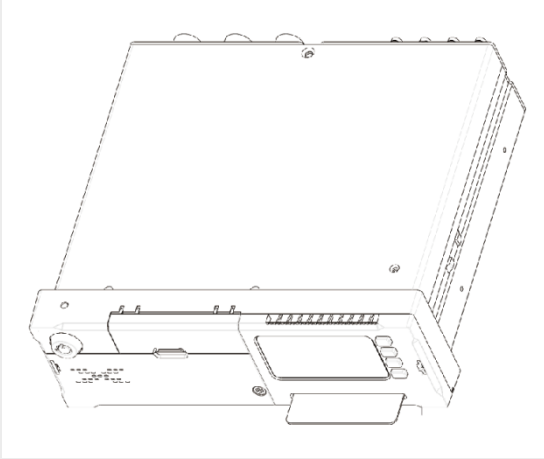


Rear panel structure



LIVE VIEWING

4G MNVR 3 Cam DVR System with Live Streaming, GPS, WIFI with the option to add up-to 8 cameras cam



- Dual system core design architecture with powerful edge computing capabilities for superior driving behavior analysis.
- A new generation of H.265 image compression engine, with HD 1080P image processing capabilities, perfect image experience.
- Excellent industrial design and powerful data interface to adapt to rich application scenarios
- Dedicated vehicle complex power environment solution, showing stable and reliable data output

Core Function

Basic Function



H.265



4-8CH
AHD1080P/720P



SD*2/HDD*1



Display Screen

Common Configuration



Server



GPS



4G



WIFI

4G MNVR 3 Cam DVR System with Live Streaming, GPS, WIFI

with the option to add up-to 8 cameras

Parameters

AT656G

Item	Description
Video	4-8CH AHD1080P/720P
Video Compression	Compatible H.265/H.264 Video Compression
Audio	8CH Input, 2CH Output, G.711A Audio Compression
Wireless Communication	4G:TD-LTE/FDD-LTE WIFI
Storage	2*SD(2*256GB Max), Support HDD(2TB Max Option), External USB interface for data backup
Satellite Position	Beidou/GPS/GLONASS (Option)
Control Mode	IR Remote Control/Tools APP/Platform
Interface	USB*2(USB Tools & USB 5 pin cable into Fireproof black box)
	IO_IN*6, IO_OUT*2,A/D*2, RS485*1, RS232*2, CAN*2, Backup battery
	12V Output, Max: 1A
Voltage	DC8V——36V Input
Power	< 6W (No Peripheral)
Operation Environment	-25℃——+75℃
Humidity	10%——95%
Protection Level	IP43
Dimension	138 x 50x 172mm (L x W x H)
Weight	1.1KG

Order Module

Module	Version	Description	Configuration
AT656G	Standard	4-8CH AHD1080P/720P	-W: WIFI
	-W	4-8CH AHD1080P/720P with WIFI	

4. Front Diagram Description

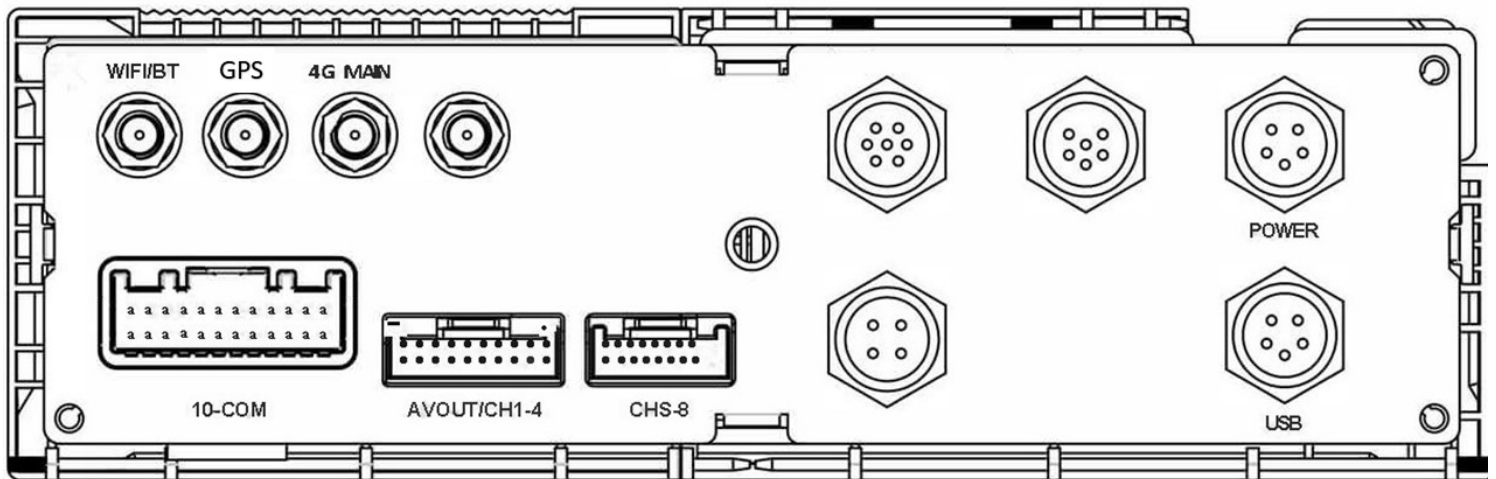
Front-interface



Front Panel Interface and Indicator Lights

Panel	Name	Description
Interface	SD1/SD2	SD card slot, 2 SD card loop recording
	SIM	3G/4G simm card, 3G/4G Internet service access
Indicator Lights	Power	Red: the power light is bright when it detects that there is input power.
	REC	Green: Recording indicator light, the video light is on when the device is recording, no video light is off
	SD1/SD2	Green: SD card indicator light, the light is on when the SD card is detected, otherwise it is off.
IR	Cable interface	Receiving remote controller button
Electrical Lock	Electrical Lock	SD card and SIM card bezel lock, can not be activated without locking the host, open the lock host automatically standby

5. Back Diagram Connection Guide



Rear Panel Interface and Descriptions

Panel Interface	Description
AV—AV/OUT-IN1~AV—IN4	1-4-channel camera audio and video input interface
AV—IN5~AV—IN5	5-8-channel camera audio and video input interface
AV—OUT	Audio and video output interface
IO—COM—SPEED	8-channel IO alarm input, 2-channel alarm output; 2 RS485 interfaces, 2 RS232 interfaces; vehicle pulse speed interface
EXTENDED	Intercom interface, multi-function scheduling screen
AMP/CAN	External amplifier or CANBUS
POWER	Power input interface, <6W
GPS	GPS Antenna
4G	4G Antenna
WIFI	WIFI Antenna

5. Attention

In order to enable users to use this series of products for a long time, safely and satisfactorily, please read the following warnings before installing and using the products:

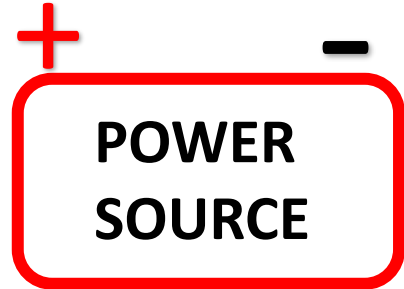
1. The normal working voltage range of the device is DC 8V~36V. Please note that the power input should be directly connected to a stable source of power. Recommended power source is the automobile battery.
3. The device outputs 12V external voltage, which is only used for camera power supply. It is not allowed to connect any non-recommended equipment.
4. Connect the black ground wire to a correct connection of grounding.
5. The main black MNVR box should be installed in a dry and ventilated environment to avoid moisture, rain and vehicle cleaning liquids, keep the equipment away from heat, dust and strong magnetic field.
6. Prolonging service life of device, please install the equipment in a spot where the vibration is weak.
7. Do not stack debris within 20cm around the installation equipment, and do not have heavy objects pressed to ensure the heat dissipation environment.
8. The storage devices and modules on the device do not support hot swap. Do not insert or remove storage devices or modules while the device is powered on.
9. Please perform regular maintenance on the storage device hard disk or SD card: copy the video data to the computer and format it to protect and extend the performance and service life of the storage device.
10. Do not open or disassemble the equipment without the guidance of a professional technician.

6. Quick Setting

QUICK WIRE POWERING INSTRUCTIONS:

The power supply of the main unit has three cable wires. Red, black and yellow. The red and black lines are directly connected to the car battery. The red line is connected to the positive pole, the black line is connected to the negative pole and the yellow line is connected to the ignition line (ACC). If the red and yellow lines are tested indoors, they can be connected together. Positive, then directly powered by DC12V. Check that the power cable is connected properly. Make sure that the key gear hits the LOCK file after the cable is connected, and it will start normally. The power light is red after normal startup.

Connect red power and yellow ACC wire
to a positive power source
Connect the black wire to a grounded
source
MUST HAVE KEY IN THE LOCK POSITION.
KEY CAN BE IN THE LOCK POSITION
WITH FRONT DOOR PANEL OPEN



- STANDARD 3 CAM SYSTEM INCLUDES:
- 1 - BRACKET CAMERA
- 2 - AEROSPACE CAMERA
- 1 - 15 FT CABLE
- 2 - 30 FT CABLES
- ADDITIONAL CABLE LENGTHS available: (in Feet) 5,10,45,60,90



*OPTIONAL 7" OR 10" LCD MONITOR