

FalconEye 4G Dash Cam with WIFI, GPS, Live Streaming with *2nd Camera Option

Instructional Manual



Your Favorite Device is Your Monitor



Download on the
App Store

Download from
Google Play



*Optional 2nd camera choices



Menu

1	Version.....	Error! Bookmark not defined.
2	Brief instruction.....	Error! Bookmark not defined.
3	Product description.....	Error! Bookmark not defined.
3.1	Product summary.....	3
3.2	Product main function.....	Error! Bookmark not defined.
4	Device specification.....	5
4.1	Device inner instruction.....	5
4.1.1	Summary.....	Error! Bookmark not defined.
4.2	Definitions of interface, buttons and indicator light	Error! Bookmark not defined.
4.2.1	Description of LED indicator light ..	Error! Bookmark not defined.
4.2.2	Definition of other interface	Error! Bookmark not defined.
4.2.3	Definition of buttons.....	Error! Bookmark not defined.
4.2.4	Power.....	Error! Bookmark not defined.
4.3	Detailed specifications	Error! Bookmark not defined.
5	Device operation guide.....	Error! Bookmark not defined.
1.1	Detailed description of indicator light status...	Error! Bookmark not defined.
1.2	Detailed description of device network switch.....	Error! Bookmark not defined.
1.3	Detailed description of configuring device parameters by APP...	Error! Bookmark not defined.

Important security rules and prompt



Please read warnings before setting up and using this product:

Should not be put on where rained or other corrosive liquid pureed for long time.

Keep far from heat source, strong magnetic field and dust.

Do not put heavy things on top of the equipment, no stacking debris around inside 50cm.

Do not flush water directly to the equipment while cleaning the vehicle.

Output power of the equipment not allow to connect to other not recommended equipment.

Do not try to put your fingers or anything into the cracks of the equipment while is working.

Do not open or disassemble the equipment without professional guide.

Do not change any modules while equipment is charged.

1.1 Product summary

With industrial design, using high speed processor and embedded system, integrated with video, GPS, alarm sensor, etc. Supports up-to 2 channels 1080P camera, 2 sd card each up to 256GB. With CMS can remote live view in real time recording.

Key features:

- Newest technology of video and audio compression
- Professional and stable file system
- Built-in 4G, WIFI modules
- Support dual SD cards storage, read/write convenient and fast
- Professional playback analyst software, video/audio synchronous playback
- Support monitoring software such as iOS, android devices

Basic working parameters table:

Table 1 basic working parameters list

Item	Parameters	Description
Power input	8-36V	Power input:+8V~+36V, if exceed this area for long time, the device will auto off to protection mode;
Video input impedance	75 Ω	Video input impedance is 75 Ω .
Audio input	1Vp-p	Built-in MIC
SD card interface		1. Compatible with common brand 2. Support hard wiring and CLA powering 3. Please buy certified Class 10 SD cards
Working temperature	-25---60℃	Under aeration condition

1.2 Product application solution

Compatible remote video monitoring from PC, mobile, and other internet-based devices.

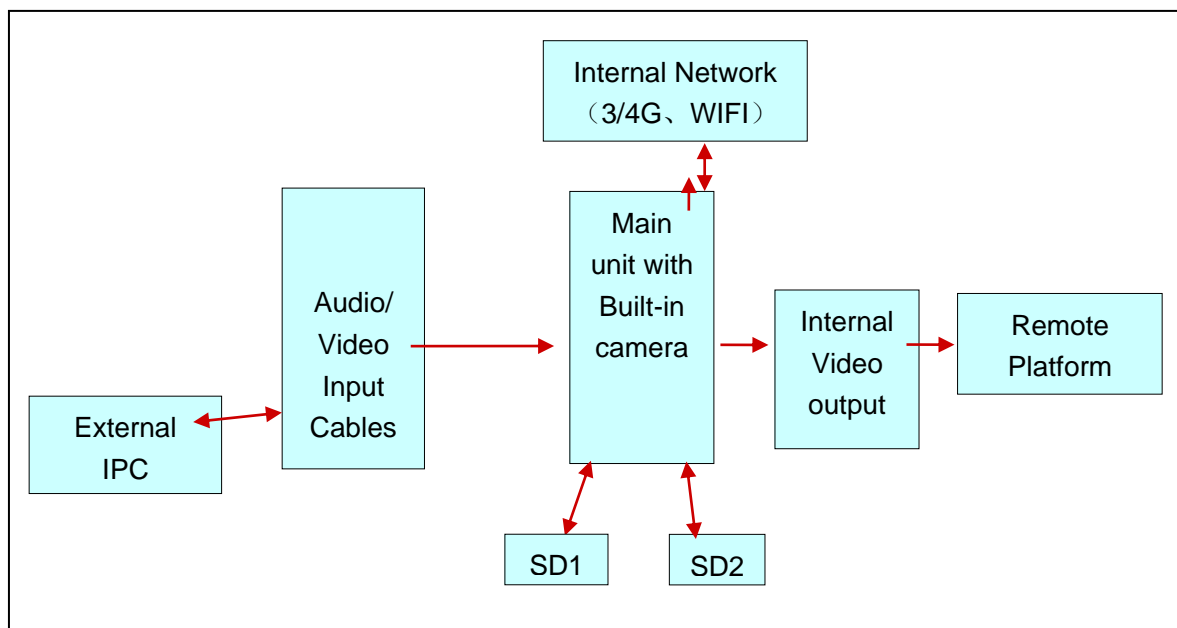
2 Device specification

This chapter introduce function summary, features, detailed specification of the device.

2.1 Device Instructions

2.1.1 Summary

Built-in a set of video coding chips, fulfill system coding, video storage and more. System diagram below:



Monitoring system image

Workflow:

- Video recording, audio recording:
 - Input audio/video, then compress, storage and live view output by main chip;
- Local and remote playback:
 1. Local playback
 - Take out SD card and playback from computer client;
 2. Remote playback
 - Connect server from client to remote playback;

2.2 Definition of indicator light status and sockets:



- 1: Support dual SD cards recording
- 2: Support nano SIM card
- 3: MODE key switch network (press button)

Indicator light status as below:



Power on: POWER light is on, when blue or green light

Press Mode button to switch as below:

3G/4G+AP mode: NET light green, blinking

WIFI+3G/4G mode: NET light red, blinking

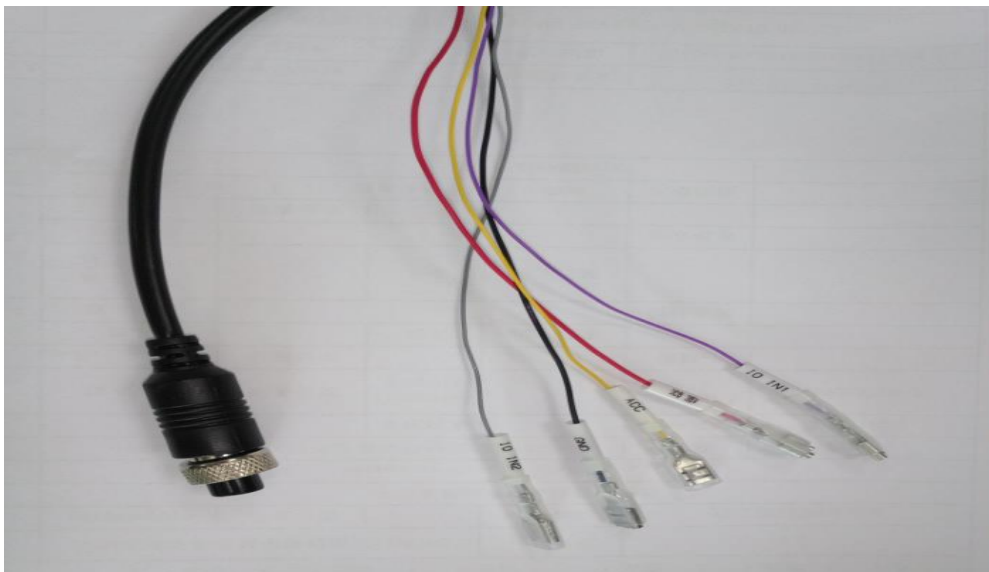
After network dialing success, will continue to blink once per second, Upload server success, will blink once every two seconds

REC/AP light is red and on: Video lost;

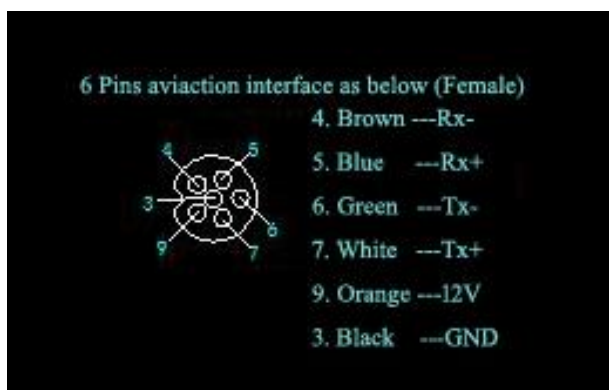
REC/AP light is green and on: SD exist;

REC/AP light is green and blinking slowly: Recording (Blinking once every 2 seconds)

2.2-1: Cables definition: Two channels I/O input, ACC, Power wiring with 2nd camera option cable connecting wire
6 pins aviation special IPC camera, second channel recording.

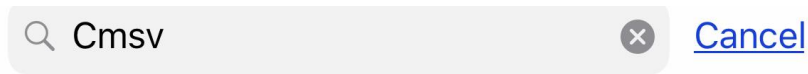


2.2-2: 6 pin aviation interface definition: (As below)



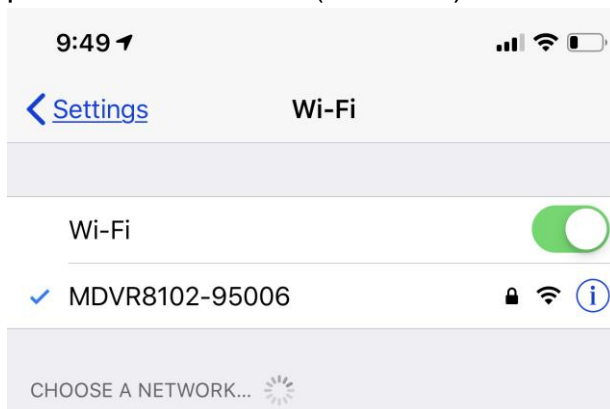
2.3: Steps to configure using mobile device

1.0 Download CMSV6 APP, Once downloaded go ahead and close app

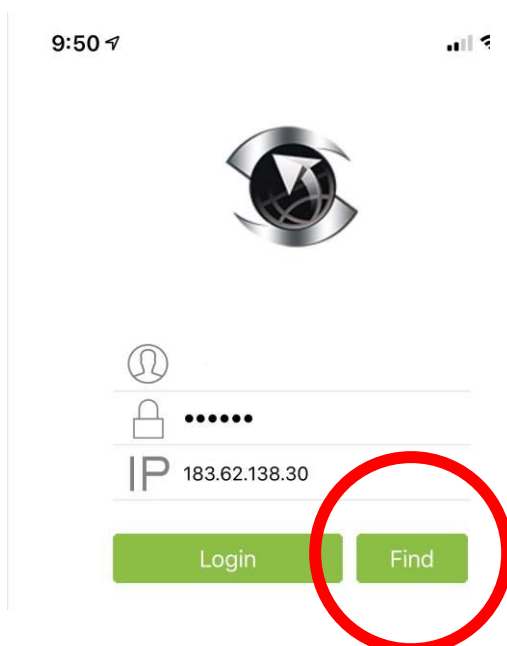


2.0 On Main Device press mode button to Switch network mode as 3G/4G/+AP until light is blinking as chapter 2.2 described.

3.0 On mobile device open networking settings and search WIFI signal, WIFI account defaults to something similar "MDVR8102(Digital means the device number)", default password: 99999999 (As below)



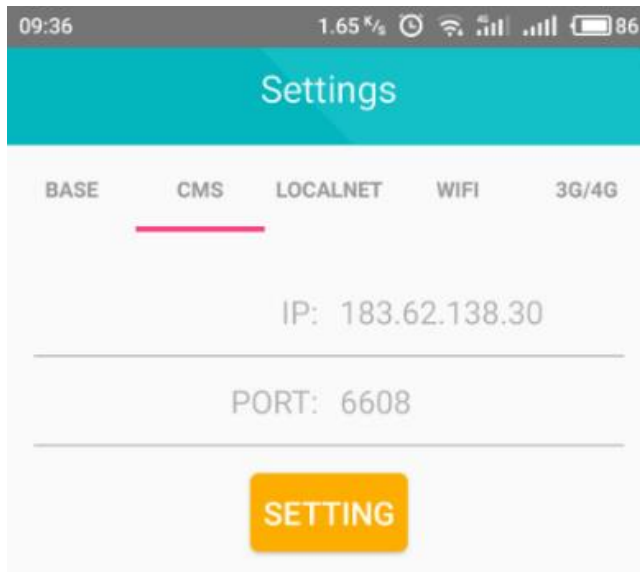
4.0 Once connected to device, open CMSV6 APP and select "FIND"



Once you select FIND, you will be able to view your cam(s).

5.0 Select Settings to configure / verify that device settings are entered correctly.

Configure CMS server IP and port:



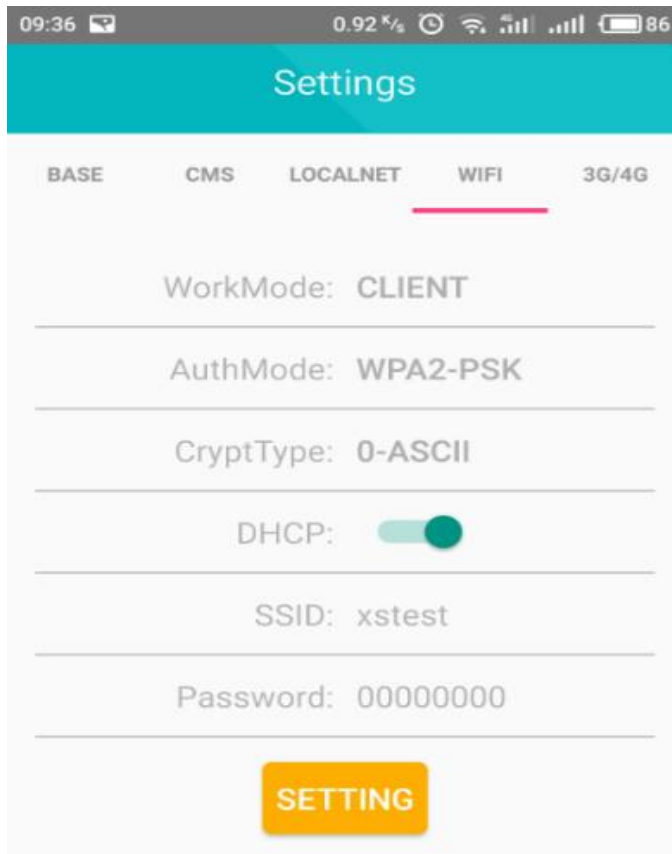
The screenshot shows the 'Settings' application with the 'CMS' tab selected. The status bar at the top displays the time 09:36, 1.65% battery, and various connectivity icons. The 'CMS' tab is highlighted with a red underline. Below the tabs, the 'IP' is set to 183.62.138.30 and the 'PORT' is set to 6608. A yellow 'SETTING' button is located at the bottom of the screen.

Ignore the localnet configuration

6.0 Configure WIFI encryption mode as: WPA2-PSK, encryption type as: AES

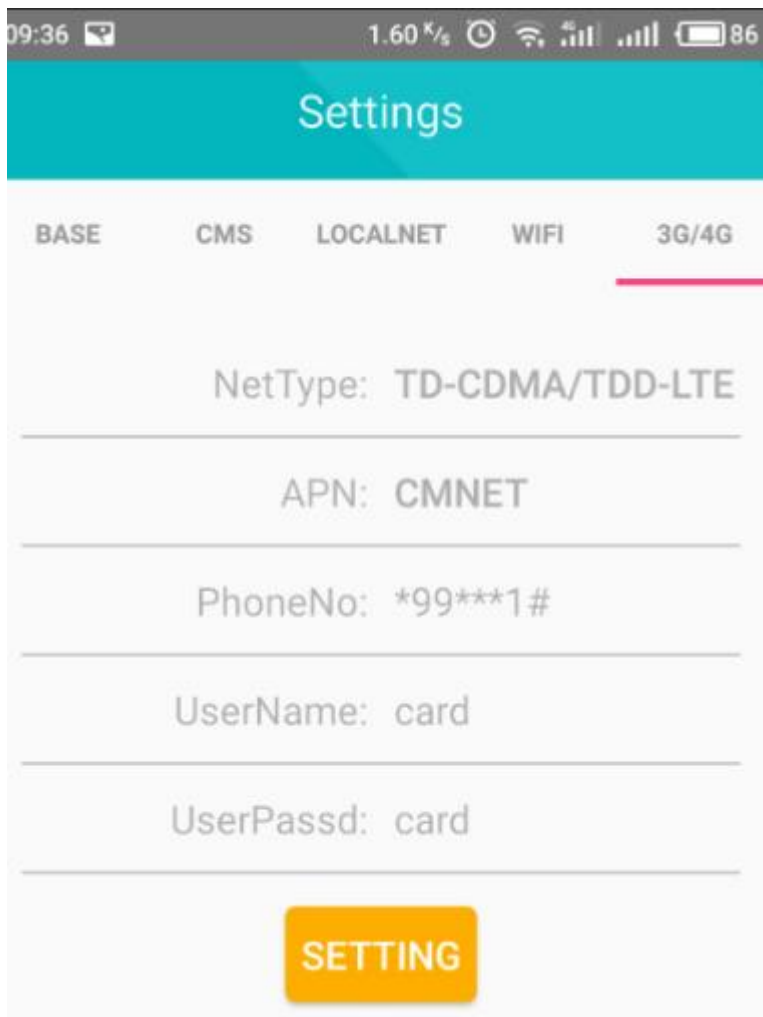
SSID: enter your WIFI or hot spot user name (no spaces and case sensitive)

Password: enter your WIFI or hot spot password (no spaces and case sensitive)



The screenshot shows the 'Settings' application with the 'WIFI' tab selected. The status bar at the top displays the time 09:36, 0.92% battery, and various connectivity icons. The 'WIFI' tab is highlighted with a red underline. Below the tabs, the 'WorkMode' is set to CLIENT, 'AuthMode' is set to WPA2-PSK, and 'CryptType' is set to 0-ASCII. The 'DHCP' toggle switch is turned on. The 'SSID' is set to xstest and the 'Password' is set to 00000000. A yellow 'SETTING' button is located at the bottom of the screen.

7.0 Select network 3G/4G configuration, ignore other parameters.



The screenshot shows a mobile application interface with a teal header labeled "Settings". Below the header is a navigation bar with five tabs: "BASE", "CMS", "LOCALNET", "WIFI", and "3G/4G". The "3G/4G" tab is selected, indicated by a red underline. The main content area displays the following configuration parameters:

- NetType: TD-CDMA/TDD-LTE
- APN: CMNET
- PhoneNo: *99***1#
- UserName: card
- UserPassd: card

At the bottom of the screen is a large orange button labeled "SETTING".

Once settings are Set correctly. Exit out of APP and disconnect from MDVR device WIFI network. Re-open same CMSV6 mobile APP and Login with credentials.