

FULL HD 1080P 4CH MONITOR
FP-VIEWPRO+10HDQ
Version: V1.5.23

User Manual

VIEW Camera Solutions

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1、 Introduction

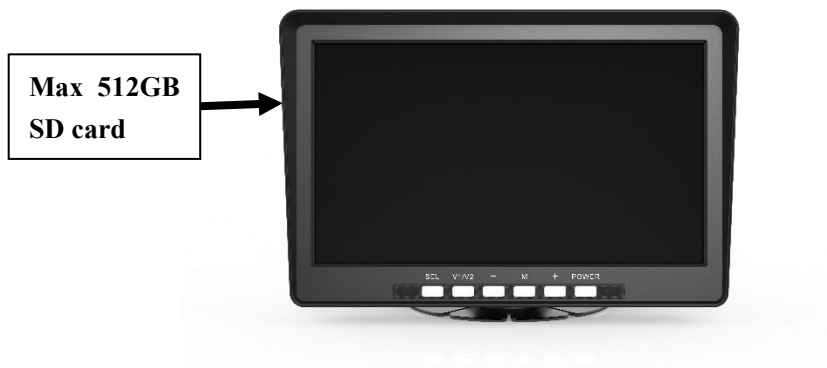
1.1 System introduction

This is a camera system with four cameras installed around the car, Which can record real-time video around the car. Not only can the driver have a wide view of special road, but also can be used for accident evidence collection and safeguard the legitimate rights of the driver. The driver can provide effective for himself. At the same time, the following problems can be effectively solved: Vehicle monitoring ;disputes over accidents ;parking difficulties; difficulties in reversing; complicated road conditions; blind spots in driving ; no one watching the car, etc.

1.2、 Features

1. support mixed input of AHD 1080P/ AHD 720P/ 960H/ CVBS in multiple video formats;
2. PAL/NTSC mixed input of different formats supporting AHD/ CVBS video signals (adaptive);
3. Brightness, contrast, saturation, chroma and sharpness can be independently set for each input video signal; The (left-right) mirror image function and the up-down flip function can be independently set;
4. Video output, you can set up the zoom display of the upper, lower, left and right margins, so that different display screens on the market can be displayed full and the picture will not be cut and deleted;
5. Support parking stall delay video recording (24-hour parking monitoring function);
6. Maximum support SD512G memory card, super-long panoramic image memory, convenient for users to consult at any time;
7. Independent four-way display function, automatically switching display screen when turning and reversing;
8. Panoramic monitoring and recording image controllable playback function is convenient for real-time viewing;
9. Users of this system can upgrade the latest programs through video cards;

2、 Key function introduction(optional touch screen)



SEL : Split the interface, short press and cycle to switch different multi-picture MODE displays (equivalent to remote control mode key);

V1/V2 : split the interface, and switch CH1, CH2, CH3, CH4 single screen display in full screen by short press cycle;

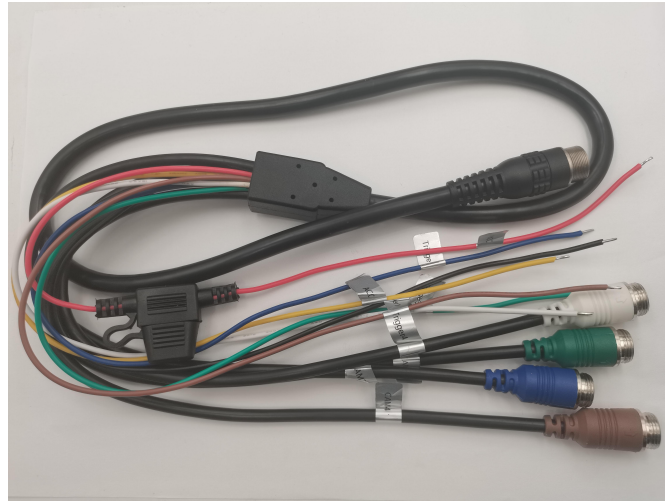
" - " : Split the interface, short press has no function;
Menu interface , short press is " down" line (equivalent to down arrow of remote control)

MENU: Split interface, short press has no function, long press to enter menu interface (equivalent to OK key of remote controller);
Menu interface, short press is the confirmation key, long press is the return to the previous menu (exit menu);

" + " : split interface, short press has no function;
Menu interface, the short press is the "up" line, and the setting parameter value is +1 (equivalent to the arrow on the remote controller)

POWER: the short press closes/opens the screen display

3. Definition of cable's Interface



- 1) CH1\CH2\CH3\CH4 22PIN Interface: Four-way Video Input Interface
- 2) VCC Red cable: 12V-36V power input (connected to "+" battery)
- 3) ACC Yellow cable: 12V-36V Power Input (Connect Key Ignition cable)
- 4) GND Black cable: negative electrode of power supply (connected to negative electrode of battery "-")
- 5) Forward Wire White cable: Connect to the positive pole of the forward gear signal, triggering CH1 single screen to be full screen
- 6) Reversing Wire Blue cable: Connect to the positive pole of the brake light signal lamp, triggering CH2 single picture full screen
- 7) Turning Lamp Wire Green/Brown cable: connect the positive pole of reversing lamp to trigger CH3/CH4 single picture full screen

Note: BAT red line can be connected with ACC yellow cable for power supply, which will cause 24-hour delay video recording function to be ineffective. All other functions are normal. Please wire for power supply according to usage requirements.



It is recommended that the power cord be directly connected to the positive and negative poles of the vehicle battery, or after the battery is connected to the safety box, connect the positive and negative poles of the power supply. It is forbidden to connect the metal conductor inside the vehicle as the ground wire, otherwise negative pulse will be generated to interfere with the normal operation of the main engine.

3.1 Definition of main engine aviation head interface (this equipment only supports 1 audio input and needs to be purchased)













Aviation Connector



4、 Infrared Remote Controller



4.1 description of remote controller key function

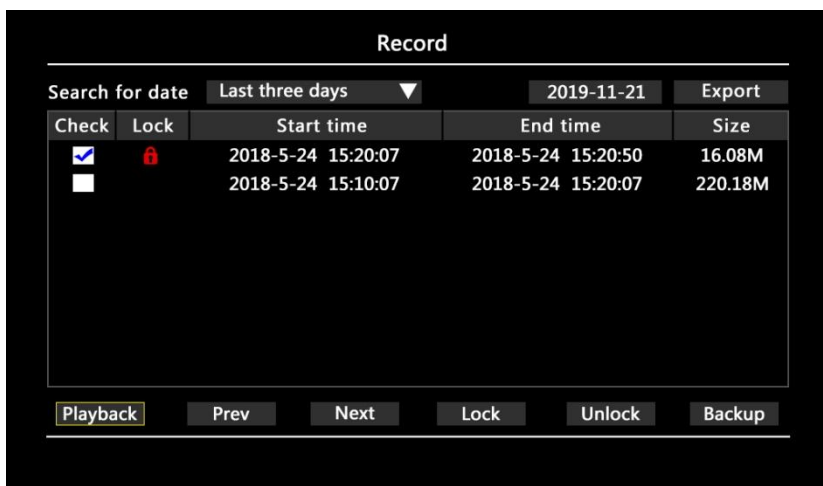
Picture	Legend function description
	You can control the opening and closing of the screen.
	Return key to return to the default screen/to the previous step in the menu.
	Cycle switching multi-screen display mode
	CH1 Channel Single Screen Full Screen Display
	CH2 Channel Single Screen Full Screen Display
	CH3 Channel Single Screen Full Screen Display
	CH4 Channel Single Screen Full Screen Display
	Up direction key
	Down arrow key
	Left direction key
	Right direction key
	Menu key + OK key

5、 Menu Function description

Press the "OK" key of the remote controller or press the "MENU" key of the screen panel for a long press to enter the menu interface. Move the selection box through the arrow keys of the remote controller or the "+" and "-" keys of the panel, then press the "OK" key of the remote controller or press the "MENU" key briefly to confirm the selection and enter the next sub-menu.



5.1 Driving Record



Press the remote control arrow key or panel key to move the selection box, then press the remote control "OK" key or press the "MENU" key briefly to determine the selection:

- 1)、 Search for Date: Displays the stored video files
 - ① in the last three days; ② last week; ③ in the last two weeks; ④ last month; ⑤ all
- 2)、 Playback: video files selected by play online; (Supports fast forward, fast reverse, pause, etc.)
- 3)、 Prev: Switch to display the previous page of video files;
- 4)、 Next Page: Switch to display the next page of video files;
- 5)、 Lock: Lock the selected video file and protect it from being automatically deleted and overwritten by the equipment;
- 6)、 Unlock: Unlock the locked video file;
- 7)、 Backup: copy and store the selected video file to the SD card, which can be plugged into a computer to play directly;

5.2 Basic Settings



Press the arrow keys of the remote controller or the panel keys to move the selection box, then press the "OK" key of the remote controller or press the "MENU" key briefly to confirm the option and enter the setting state of the current option. After completing the setting, press the "OK" key or the "MENU" key to exit the setting state, and select "OK" to save and exit.

- 1) Date Time-Modify the system time and date superimposed on the screen;
- 2) Date Format—Toggles the display format of the date, month, year, and day;
- 3) Output Format—PAL system or NTSC system;
- 4) Language —Chinese and English menus (support customization of menus in other countries);
- 5) Time Show-Turn on and off the time and date superimposed on the screen;
- 6) VGA Resolution-Output Resolution Adjustment (800*600, 1024*768, 1280*720, 1920 * 1080);
- 7) video quality-normal, standard, high definition, ultra high definition four adjustable ;
- 8) plate number -add license plate number or driver's name superimposed on the video ;

Video resolution	10Mins Storage	8G	32G	64G	128G	256G	512G
Normal	110M	12 hours	48 hours	96 hours	192 hours	384 hours	768 hours
Standard	220M	6 hours	24 hours	48 hours	96 hours	192 hours	384 hours
HD	330M	4 hours	16 hours	32 hours	64 hours	128 hours	256 hours
Super HD	440M	3 hours	12 hours	24 hours	48 hours	96 hours	192 hours

5.3 Control Settings



1). **video output:**

A: **always output:** the display screen always outputs the display picture after starting up;

B: **Trigger output:** the display screen does not display pictures all the time after starting up, and there are trigger display pictures for steering and reversing;

C: **intelligent output:** the display screen displays the picture after startup, and automatically closes the picture after 15 seconds of no operation;

2). **Delay switching.** After exiting rear gear, time of the camera screen display (on the screen closed state);

3). **Display priority.** When triggered, the corresponding channel is displayed first.

4). **Blue background.** Turn the blue background on and off, the default background color is black;

5). **Auto sequence.** Time setup for auto sequence.

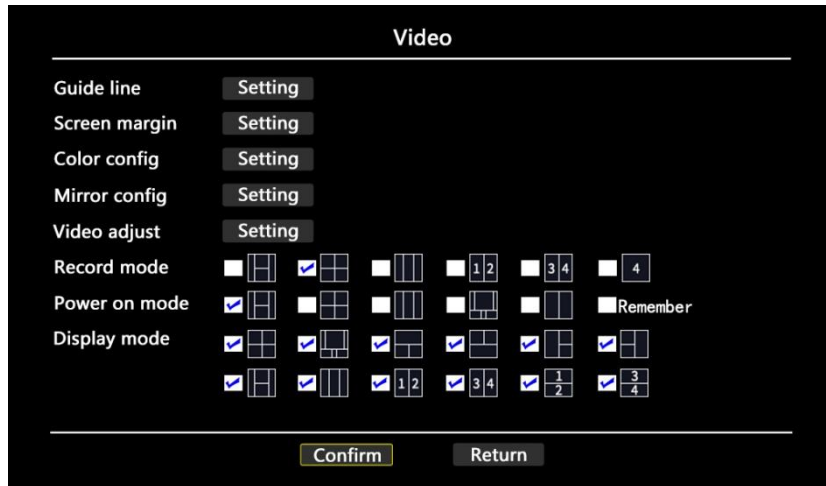
6) **Border Color.** Color Selection of Border of Split Line between Pictures, None-Close Border;

7). **Record for park.** 24-hour delay recording function (please do not turn on all the time to avoid battery loss);

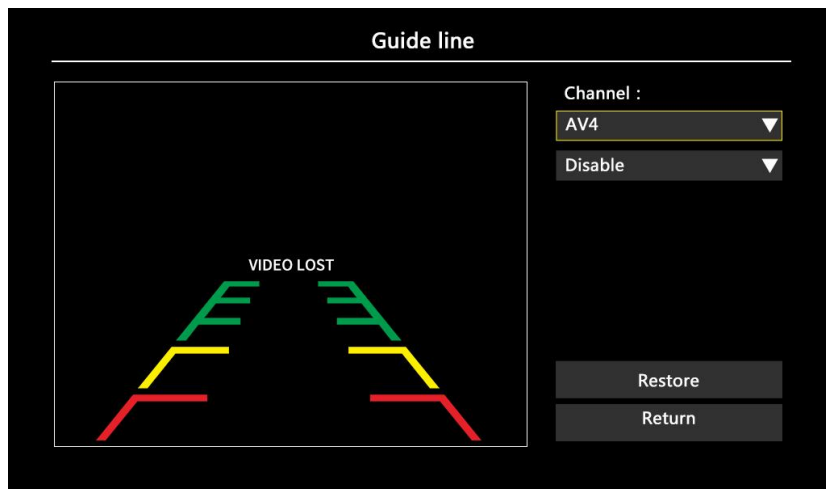
8). **Audio.** 1CH audio can be recorded(Optional);

9) **Channel Title.** Turns on and off the channel characters superimposed on the screen;

5.4.Video Setup

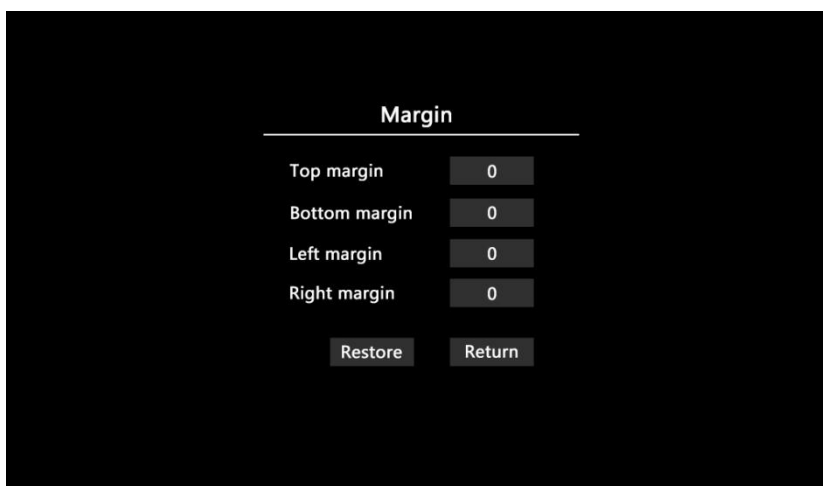


1)、 Assist line (after setting, the exit setting status will be automatically saved, and you can press the return key)



Adjust the position and length of auxiliary line for each channel independently. Color: None (i.e. close auxiliary line); Select "Pan A-a", press the panel key or the arrow of the remote controller to move and adjust the distance and position of auxiliary line (similarly adjust "Pan B-b", "Pan C-c" and "Pan D-d").

2)、 screen margin (set up to exit the setting state will be automatically saved, press the return key)



The margins around the output video are compressed inwards, which is suitable for full screen display on various display screens.

Press the panel key or remote control arrow to adjust

3)、Color config(the setting status will be automatically saved when the setting is finished and exit. Press the Return key)



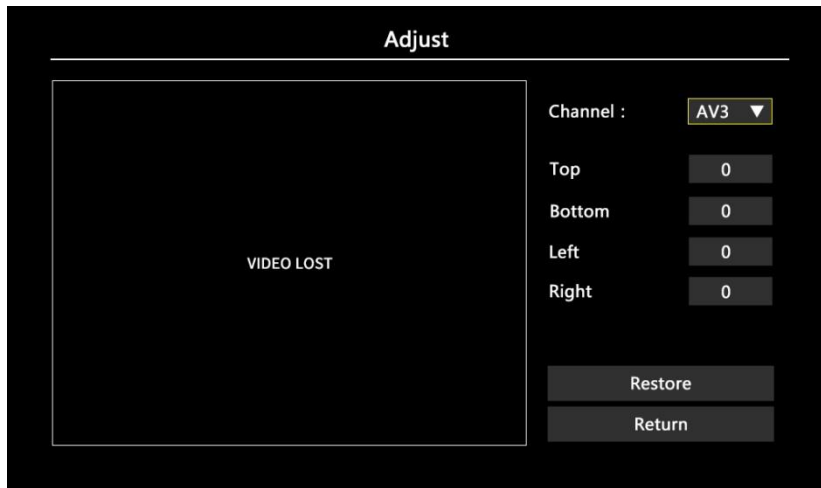
Independently adjusting the chroma, brightness, sharpness, contrast and saturation of each channel video; Press the panel key or remote control arrow to adjust

4)、mirror config (set up to exit the setting state will be automatically saved, press the return key)



Adjust the image of each channel, turn vertically, rotate 90 degrees, rotate 270 degrees; Press the panel key or remote control arrow to make selection adjustment.

5)、Video adjust(exit setting status will be automatically saved after setting is completed, and press the return key)

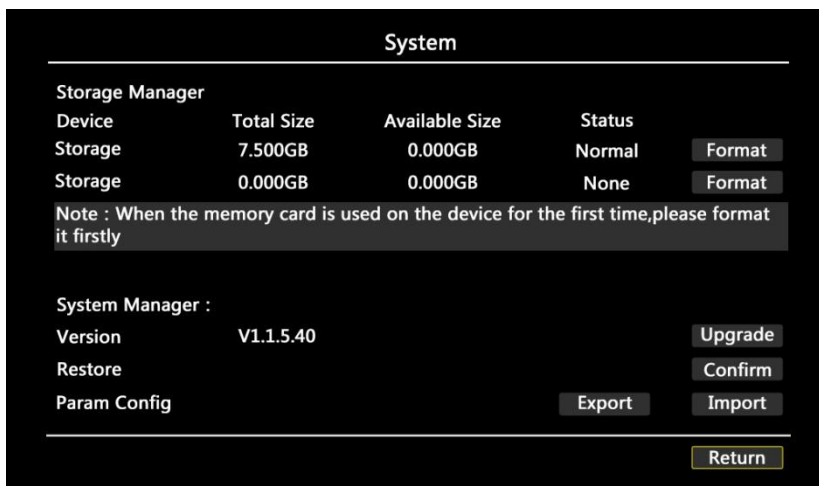


Cut each channel picture independently and adjust the display range of each channel picture;

- 6) recording mode-Select the picture mode for storing video files;
- 7), Power on model-choose boot default display screen;
- 8), Display model-turn on and off the display screen switched by the mode key of the remote controller (please do not turn off all of them);

5.5. System Maintenance

- 1)、Format (the first time the card is inserted, it must be formatted locally);
- 2), upgrade-upgrade the product;
- 3), Confirm-restore the product to the factory default settings;
- 4) Param Configuration



Export: Export the currently set parameter configuration to the operating memory or video card of the equipment for storage;

Import: import the setting parameter configuration stored in the operating memory of the equipment or the video card (import the parameter configuration of the video card preferentially);

6、Specification

Program		Specification
Scheme		HI3520 (V300)
System language		Chinese, English (other languages can be customized)
Video compression format		H.264 compression format
OSD		Character overlay function, support image overlay of time and date, channel characters, segmented border, vehicle information, etc.
Video and video system	Video input	4 channels AHD/TVI/1080P, 960P, 720P, D1 (CVBS) and other video inputs; Compatible with CVBS and AHD signal mixed input; Compatible with PAL and NTSC mixed input
	Preview function	Multi-picture mode combination preview, support manual voltage trigger full-screen display function
	Output resolution	1920*1080、1280*720、1024*768、800*600
	Recording resolution	1920*1080
	Recording quality	Ultra-clear, high-definition, standard, ordinary 4 levels of video adjustable
	Recording style	Automatic recording at boot
Audio	Audio input	Support 1ch audio input
	Audio output	Support 1 set of audio output (optional)
	Compression format	G.711u compression format
Trigger input		4 groups of I/O trigger, support 9V-24V power supply to trigger full-screen display
storage card	TF/SD card	Support 2-512G memory card, loop coverage recording
	Upgrading	Support TF/SD video card upgrade
	Storage	Proprietary bare disk storage method: real-time storage, no frame loss, no second loss
	USB	There are interfaces reserved for customers to connect and use according to their needs
Video playback	Video search	You can choose the last three days, the last week, the last two weeks, the last month, all etc;
	Playback	4-channel synchronous playback, support pause, fast forward, and rewind Support 2, 4, 8 times speed fast forward or rewind
Power and power consumption	Power management	自适应宽幅电源输入，具备低压、过压、反接短路等保护功能；
	Input Voltage	DC:+9V ~ +36V
	Output Voltage	+11.5V/3A
	Power consumption	Normal working state <5W (excluding display screen and came
Working environment	Temperature	-30°C to +70°C
	Humidity	20% to 80%

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