4 way camera system manual

Catalogue

I.   Product Overview

The four-way integrated camera simultaneously captures images of the vehicle's surroundings through four wide-angle cameras mounted inside/outside the body and transmits them to the integrated camera in real time. With this system, drivers can visually see obstacles and pedestrians around the vehicle, effectively reducing accidents such as scrapes, collisions, and traps. The product is able to record all driving footage to avoid "scratch and dent" disputes.

II.   List of product components

10.1 inch

List of product accessories

Name	Image	Description	Q'ty
monitor		10.1 or 7" HD display （1024*600）/ Solid keys (6) / IR remote reception	1
Camera		AHD HD Hawkeye night vision without light in full colour / aerial head / exclusive private mould (other public moulds are optional)	4
10P Tail line		4 way camera interface, left/right/rear turn signal, B+/GND/ACC power signal interface, integrated cable.	1
Camera extension cables A		Front left/right view/5m/aerial head/dual shield.	3
Camera extension cables B		Rear view/15m/aerial head/double shielded/with turn signal	1
Fixings		10. 1" multi-directional adjustment bracket, either seated or suspended, optional.	1
Fixed base		7" butterfly, U-shaped seat mount bracket (optional)	1

III. Product parameters

| Items	Function profile	Performance indicators
Systems	Language of operation	Simplified/Traditional/English
	Operating interface	graphical menu operation
	Operation mode	keypad
Video input	Video input	4 way AHD HD video input
	Recording mode	Default power on recording, no missing seconds
	Recording format	H.265 video, 4-channel video separate storage
Video display	Live display	10.1" HD IPS screen, 1024*600
	Video display	14 multiple view display modes
	Native playback	Local playback, view at any time
Trigger display	Trigger display	Automatic switch to the corresponding camera view
Video storage	TF card	CLASS10 U1,minimum 32GB recommended, maximum 256GB supported
Audio section	Microphone	Microphone recording support, menu can be set off
Power supply section	Power input	Support 9V~36V wide voltage, with vehicle-grade surge, overload, overvoltage, under voltage, short circuit and other power protection circuits, suitable for various vehicle power environments.
Overall power consumption	Engine Detection	ACC detection line
	4-channel video recording	Less than 10W (on-screen display, 4-way camera recording)
Others	Operating temperature	-20 ~70 degrees Celsius
	Heat dissipation method	Passive heat dissipation
	Reversing cable	Adjustable
	Video Duration	Video recording length can be set
	Channel trigger delay	Settable steering signal delay

IV. TF card specification requirements

The quality of the TF card has a great impact on the stability of the video, in order to record video safely, please use a TF card from a major brand such as SanDisk, Kingston, Toshiba, Samsung. Speed certification should be at least Class10 U1
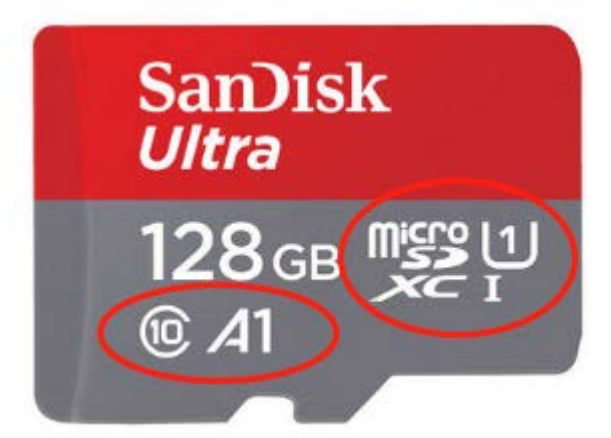
V. Wiring instructions
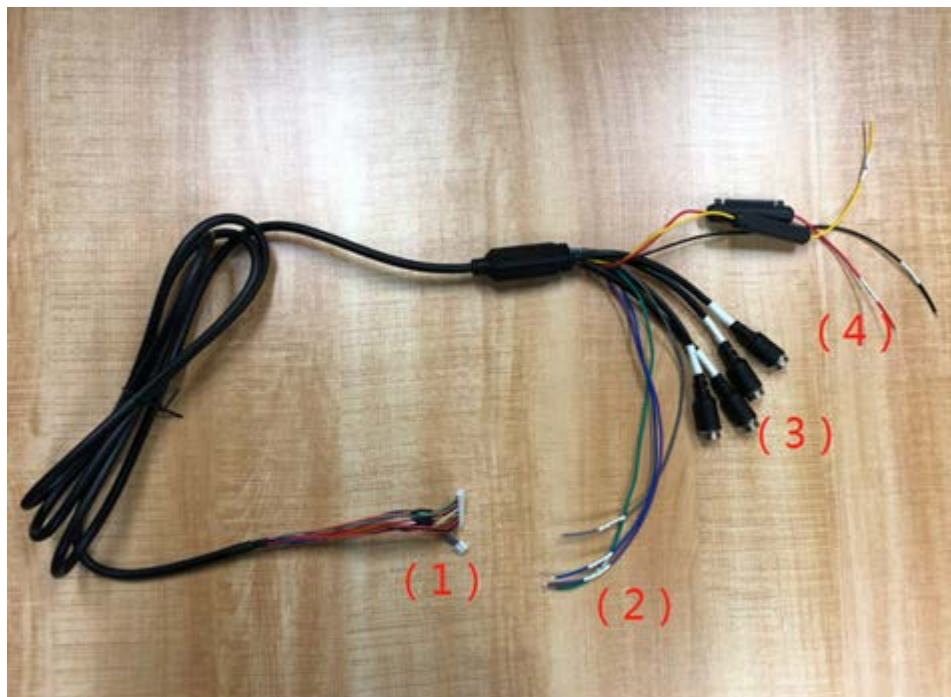
Details are as follows：

No.	Interface	Description
1	Host cable	Connect to 13PIN,3PIN holders on the motherboard;
2	3 trigger wires	Connect to 9~36V trigger signal source such as reverse/turn signal
3	4pcs cameras	Connect the cameras according to the number on the wire; CH1(front); CH2(rear); CH3(left); CH4(right)
4	Power wires	ACC/B+/GND；with fuse;

VI. Pushbuttons and remote controls

1. Pushbuttons

7inch case monitor

【MENU】Short press: open menu/close menu; short press is not valid when recording;

【V1/V2】short press: camera display view switch; after opening menu: switch menu mode;

【-】up button

【 ⬭ 】Short press on the main interface: start recording/stop recording; menu interface: confirm key

【+】down key

【POWER】Short press: switch screen; Long press: switch on/off

10.1inch case monitor

【MENU】Short press: open menu/close menu; short press is not valid when recording;

【V1/V2】short press: camera display view switch; after opening menu: switch menu mode;

【-】up button

【OK】Short press on the main interface: start recording/stop recording; menu interface: confirm button;

【+】down key

【POWER】Short press: switch screen; Long press: switch on/off

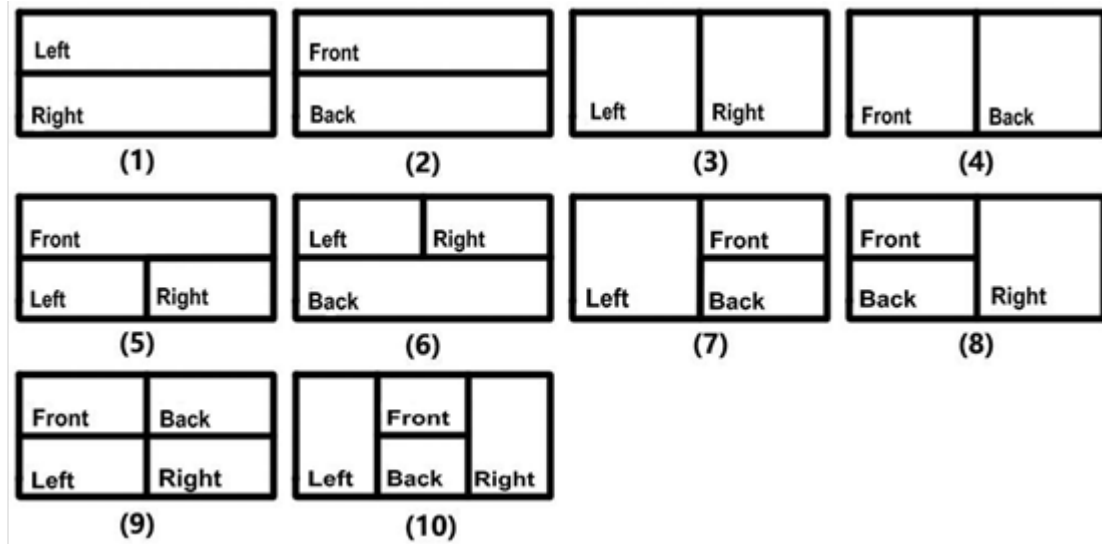## VII.   Interface description

1、Video interface

As shown in the picture above, when a card is inserted, there will be a card icon in the bottom right corner.

The little red dot will flash when in recording.

Quick switch between split screen modes:

Keep pressing and holding [V1/V2] will automatically switch to the next mode, all modes are described as follows:

Voice activated mnemonics:

Show front way, Show back way, Show left way, Show right way, Show main interface, Close screen, Open screen

2、 System settings

Description of each function:

➢ **Video**

Video files: Go to the list of video files for recording.

Video resolution: Set the resolution size of the video.

Segment time: set the length of each video file.

Video sound: set whether to record sound.

Screen mirroring: turn on/off the mirroring function of front/back/left/right view screen.

Format: Format the SD card.

➢ **Shows**

Split screen mode: set the mode when multi-camera display.

Channel delay: when the camera trigger line is triggered, it will be displayed to the corresponding camera view immediately, when the trigger is released, the delay will be 2/3/5 seconds before returning to multi-camera display mode, select off i.e. no delay to switch back to multi-camera display mode immediately.

Reversing line: whether to display the reversing line when switching to channel 4.

Screen saver: Set the time to automatically switch off the screen when there is no operation.

Screen brightness: high/medium/low Set the screen brightness.

➢ **System**

Parking monitoring: set how long to delay the switch-off after no ACC.

Language: Select the language of each country.

Horn volume: High/Medium/Low Set the volume level of the horn.

Date setting: Set the date of the machine.

Time setting: Set the time of the machine.

Restore factory settings: Restore the factory system settings.

3、Document Viewing

Key operation：

【MENU】Switch to video preview

【-/+】Move the selected entry up or down

【OK】Play video

4、Playback screen

Key operation：

【V1/V2】Pause/end video playback

【OK】Pause/play video

5、Reverse mode

When the reversing signal line is triggered, the camera view of channel 4 is automatically displayed, along with the reversing line. When the signal disappears, it will switch back to multi-camera display mode.

Key operation (adjustable only when there is a reversing signal):

【-/+】Adjusting the height of the reversing line

【V1/V2】Adjusting the width of the reversing line

【MENU】Adjusting the width of the reversing line

Remote control operation (adjustable only when there is a reversing signal)：

【up/down】Adjusting the height of the reversing line

【left/right】Adjusting the height of the reversing line