



Owner's / Installation Manual

Performance Series

D4SD

4CH Mobile DVR



Please read this manual thoroughly before operating the unit, and keep it for further reference.

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PRECAUTIONS

Storage and keeping

Do not expose the monitor to excessive heat or cold. The storage temperature of this device is -30 ~+75 C, and the operating temperature is -20 ~+60 C. The Humidity is Rh90%.

Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar place.

Never use this device in environments with excessive moisture, dust or smoke.

Avoid dropping or striking this device.

Never puncture, scratch or use abrasive cleaning materials on this device.

The monitor is not designed to be waterproof.

Operating Precautions

Make sure all cables are connected properly observe polarity. Improper cable connections may damage the DVR. Remove the power cable connections when you do not intend to use the unit.

1.1. Product features

H.264 Compression Mode, Support 4CH real-time 720P Mega Pixels AHD input and Analog Standard Definition camera input; Exclusive pre-allocate DVR Special File System Technology, Solving repeatedly wipe cause file fragmentation, solving SD card file system collapse, data loss and cannot find SD card and file garbled, ensure the integrity of the data. 10-36V Adaptive Wide Voltage input, Super Low Power Consumption Design; SD card storage (2 SD cards, Each maximum support 128GB) It can be completely resist car Vibration, Dust and others cause data corruption; Support GPS/BD/G-SENSOR; High Reliability Aviation Connectors, High Cost Performance with reliable stability, simple and clear operation menu.

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PRECAUTIONS

Maintenance

1. Remove all the cable connections from the DVR before cleaning the unit.
2. Use a mild household detergent and clean the unit with a slightly damp, soft cloth. Never use strong solvents such as thinner or benzene, as they might damage the finish of the device.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol is intended to alert the user not to waste electrical and electronic equipment.



CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.

Declaration of conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: This device may not cause harmful interference. This device must accept any interference received, including interference that may cause under desired operation.



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D4SD Installation

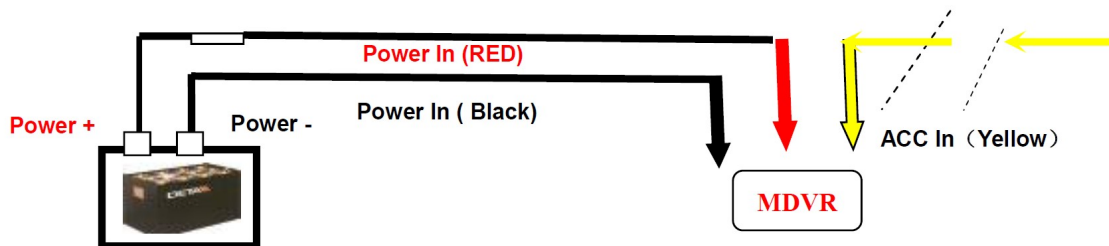
Installation

- Locate the DVR where there is air moving freely around it (cooling vents must be unobstructed, though DVR may be mounted horizontal or vertical), secure it with the supplied mounting brackets.
- Remove the green phoenix connectors to make ACC ignition, Constant Power and Ground connections. Make sure DVR is fused on constant and ignition for 5amps ea.

6.1 Power Cable Connection

DVR uses DC power supply, Working Voltage :8V - 36V.

★ Use ignition switch to control video record delay time working



Red cable connect positive of the car battery, black cable connect negative, while yellow cable connect independent ignition switch or independent positive.

⚠ Attention

1. The recorder is DC power supply; please attention the positive and negative polar.
2. The voltage is 7V~48V. Do not insert voltage that beyond this range. Under low voltage the recorder doesn't work, under high voltage will be harm to the recorder.
3. Please make sure the recorder is connect with the car power directly. Do not connect with the generator, the instantaneous voltage will harm to the recorder.
4. The initial power will beyond 30W when the DVR connect with the Camera (the consumed power is different due to the connect with different device, the power supply must beyond 30W).
5. The power cables must can stand beyond 60W. (For example, when the output voltage of car is 12V, the power cables must can bear 5A or more).
6. Please put the cover on the cables, the cover must be wear-resistant, heat-resistant, water-proof, grease-proof, in case of short circuit and open circuit.
7. Please install a 10A fuse box near the battery output positive polar for fear of the short circuit will damage the power supply.



Camera extension cable. Male pin side is the camera end. Female end with tightening collar goes to Monitor or DVR.

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6.2 Audio/Video Interface Definition

The device support channel AV1~ AV4. The aviation joint can adapt severe environment in the vehicles;

Connect With Camera



Device port pins definition

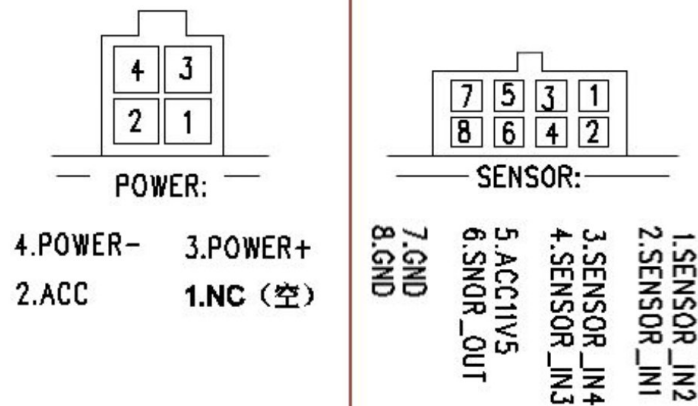
Connect With Display or Device



Camera port pins definition

6.3 Other Interface Definition

The DVR Power Interface Definition and Sensor Interface ports Definition as follows:



Among them, SENSOR_IN* is Alarm Input port; SENSOR_OUT is Output Control port;



Key	Function	Picture		
	Power and Standby Button,Reserved			
	To enter system settings.			
	[0 - 9] key :In the setting mode, 0-9 is used to select the number of menu items. In playback mode, the key 1,2,3,4 to select single channel playback,ESC Button for 4-channel playback.			
	Delete Button			
	Return to the preview picture or previous menu			
	Enter button: button for setting system parameter, selecting, switching and playing.			
	Direction Key:up, down, left, right			
	Display system info under monitoring mode			
	Rewind button. In play mode, press REW button to select 2/4/8/16/,Press play button return to normal			
	Play Button			
	Forward button. In play mode, press this button to select 2/4/8/16/,Press play button for return normal			
	Pause button			Stop button
	Playback Page\Forward to del param\Aperture larger Key			
	Playback Page\Back del param\Aperture reduce key			
	PTZ Function key			Calling Shortcut
	Quickly setup			Snap pictures
[Others]	Reserved			

Before using the remote, unlock the front panel of the DVR with the supplied key. The remote sensor is behind the door, and will need to be exposed to the remote to pick up commands.



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Aiming the cameras

Use a standard laser pointer, aligned with the centerline of the camera body to roughly aim the CT cameras. Final camera position will be verified once the DVR is checked by CT technician remotely.

Call (305) 849-9516 and ask for Yariv. He will verify cellular modem connectivity, DVR function, and camera position before you tidy up and finish the installation. Please note vehicle number and location before calling.

Troubleshooting

Symptom	possible Causes/Solutions

Specifications	Warranty and Support Information
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	<p>Subject to the provisions described below, this CT product is protected for 1 year against defects in material and workmanship. Should a product fail to perform as described above within the warranted period, it will be repaired or replaced with the same or functionally equivalent product by CT. This warrant does not apply if, in the judgement of CT, the product fails due to damage from shipment, handling, storage, accident, abuse or misuse, or if it has been used or maintained in a manner not conforming to product manual instructions, has been modified in any way. Repair by anyone other than CT or an approved agent will void this warranty. The maximum liability of CT under this warranty is limited to the purchase price of the product covered by the warranty. All defective products should be returned to CT with shipping charges prepaid. CT will not accept collect shipments.</p>
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