DVR7N DVR9N DVR Monitor
User Manual

Contents

Warranty

Thanks for use our products; we will offer the below service:
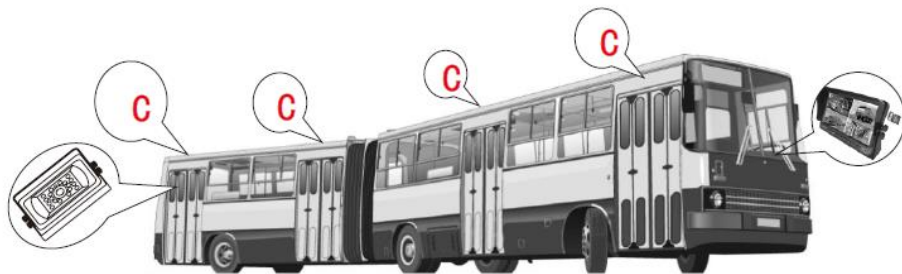
1. 12 months free charge maintenance warranty.

While below status, we will charge maintenance cost:

1) Accident or human damage;

2) Leader wire was cut down;

3) Product was opened without discuss with us;

4) More than warranty period.

CCD Camera List

www.elinz.com.au / sales@elinz.com.au / 1300 881 773

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Wiring Diagram

Preface

Thanks for your support. Our company stick the management philosophy of " Quality First, Honest Based!", and based on meeting customer's requirement and supplying high quality products, perfect after-sales service as our purpose, be absorbed in offer the best products.

To ensure long-term trouble-free service of the products, please read this manual carefully before using the product.

Notes:

1. Do not try to open the covers. It is a high precision product. Please close the power in time if anomalies.

2. Do not use organic solvent clear the covers, to avoid it peel off painting.

3. Do not enforce to the lead wire., to avoid damage or poor connect.

4. Keep the product out of the dirty, direct sun, high temperature and humidity condition.

5. Protect the product from fall down and shock.

6. Please wiring as diagram strictly, if wiring wrong will lead product can't work and even damage vehicle electrical system.

7. Do not use any affect operation of driving.

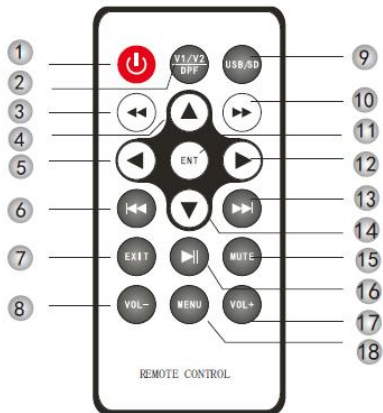8. Do not let the product working at higher or lower than the suitable temperature of machine.

> ⚠ For the sake of safety, please do not watch the video while driving, except driving assist video!

Keystroke Instruction

1. Power On Light
2. Light Sensor
3. Power On
4. Video Switch
5. Analog Decrease
6. Menu
7. Analog Increase
8. Single Switch
9. Dual Switch
10. Quad Switch
11. IR Receiver
12. Recorder Light
13. SD Card Slot

Remote Instruction

1. Power on / off
2. AV Switch
3. Fast Backward
4. Up
5. Left /Analog−
6. Previous
7. Exit / Turn Back
8. VOL−
9. USB / SD Optional
10. Fast Forward
11. ENT/Menu
12. Right /Analog increase+
13. Next
14. Down
15. Mute
16. Play / Pause
17. VOL+
18. Menu

REMOTE CONTROL
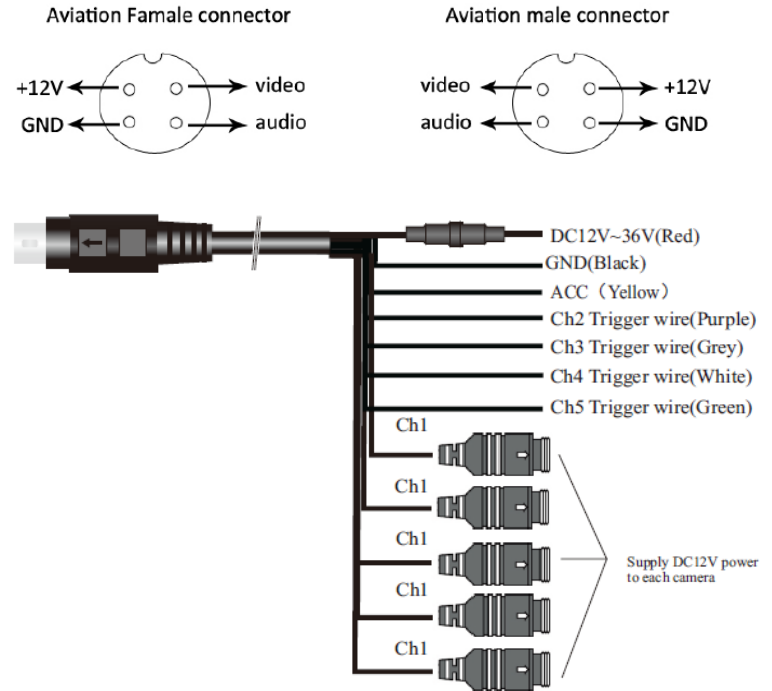
Wiring Diagram

Accessories

1) DVR monitor * 1PC

2) Aviation connection * 1PC

3) 18# remote control * 1PC

4) Bracket * 1PC

5) Menu * 1PC

Wiring Diagram

1) Working Voltage: DC12V~36V

2) Make sure all plug and cables connect correct, then power on.

3) Standard configuration is aviation connector.

If want RCA, please use adapter.

4) The definition of aviation connector as below:

Aviation Famale connector

+12V → video
GND → audio

Aviation male connector

video → +12V
audio → GND

DC12V~36V(Red)
GND(Black)
ACC（Yellow）
Ch2 Trigger wire(Purple)
Ch3 Trigger wire(Grey)
Ch4 Trigger wire(White)
Ch5 Trigger wire(Green)
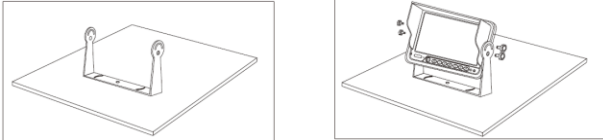
Ch1
Ch1
Ch1
Ch1
Ch1

Supply DC12V power to each camera

Bracket Installation

Can choose the bracket:
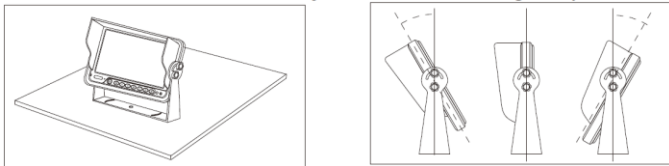
Headrest Frame; Plastic/Metal bracket; U-Bracket

1. U-Bracket Installation

1) Use the screw fixed the U-bracket. Put the monitor into the bracket, adjust angle and locking it.

2) Finished the installation. Adjust the angle forward 30° to backward 30°. User can adjust a suitable angle by oneself.
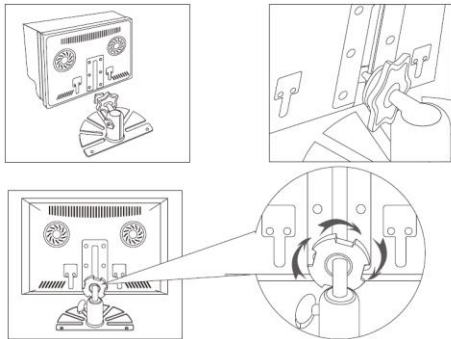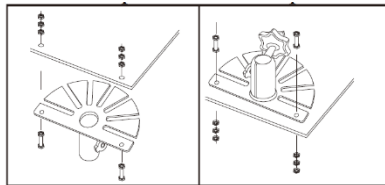
2. Plastic/Metal Bracket Installation

1) Firstly, fix the bracket via the screws, the screws of the top need lock to nut of under.

2) Secondly put the metal buckle piece on the top of the fan-shaped bracket into the notch at the back of the monitor.

3) Move the bracket to the proper location.

4) Screw down the nut of bracket, until the monitor fastening.
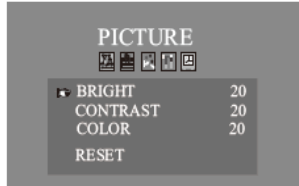
Specification

Screen size:	7";9"
Resolution:	800RGB(H)x480(V)
Brightness:	450cd/m²
Contrast:	450:1
Voltage:	−20℃~+70℃
System:	PAL / NTSC
Menu:	OSD MENU
Password safety:	User/Administrator
Image format:	CIF/HD1/D1 optional
Data storage:	Support up to 256GB SD Card
Video:	4 video inputs CH1,CH2,CH3,CH4 record optional
Video display:	Single/dual/quad image optional
Audio:	CH2, CH3, CH4 with audio input; Audio with Video record at same time; One way audio output optional;
Operation system:	18# remote control/ Keystroke
Dimensions:	7": (L)177X(W)141X(T)21MM 9": (L)228X(W)154X(T)27MM
Optional:	RCA/Aviation connector; Bracket optional
Software update:	The system can updated by SD card
Function:	1. Built in quad, dual display, five video single screen video processor and SD card DVR recorder 2.Can record the driving and situation of inside car. Can help driver watch parking and all blind area. 3.This system is mainly use for school buses, urban bus, journey bus traffic patrol car etc.

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Menu Operation Instruction

Press "MENU'' , the screen will show "PICTURE".

Press " ▼ ▲ '', to select other feature. Press " ◄ ► '' to adjust parameter.
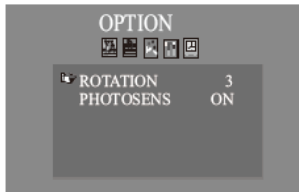Press "MENU" over and over again, the screen will show pictures as below：

PICTURE
BRIGHT 20
CONTRAST 20
COLOR 20
RESET

Brightness Adjust 0~40

Contrast Adjust 0~40

Color Adjust 0~40

Reset

VOLUME
VOLUME 20

Volume 0~40

OPTION
ROTATION 3
PHOTOSENS ON

Rotation UP/DOWN/LEFT/RIGHT

Light sensor ON/OFF

SYSTEM
LANG ENGLISH
ACC TIME 0

Language Multi-option

Delay time 0~10s

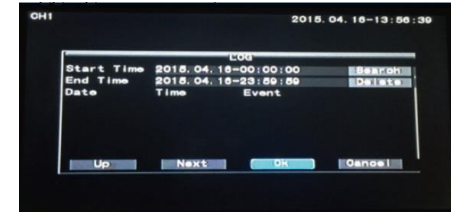**PRESET**
SLEEP 0
Av5 ON

Sleep time 0~240mins

Av5 ON/OFF

DVR Menu Operation Instruction

Log Information

1)Click the inquiry, open the interface of logging, the list will show meet the conditions of logging
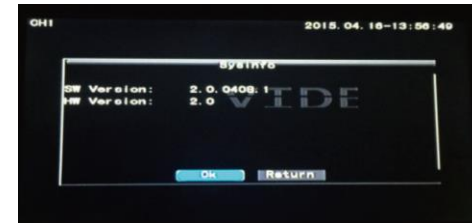
2) Delete the logging of choose. (Just Administrator has this right)

User Management

1) Software version: Display the software number of the monitor.

2) Hardware version: Display the hardware number of the monitor.

Vehicle Information

1)Company name: Setting the company name of user.

2)Vehicle number: Setting the vehicle number of user.

3)Line number: Setting the vehicle driving line

4)Device serial number: Setting the device serial number

DVR Remote Control Instruction

User Management

1) Password function: ON/OFF
2) When open it, user need to setting password with 6 places number for Administrator and normal user. (Press "ENT" button, the screen will show soft keyboard)
Administrator: Has all operating authorization
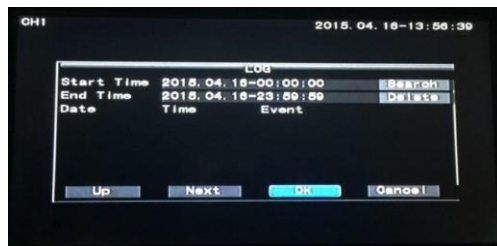User: Limited access: checking record, play back record etc.

Update Setting

1)　Auto management: ON/OFF
2)　Export setting: The setting information of device can import to SD card, text format.
3) Import setting: Copy the update file to SD card in the catalogue of update DVR

Log Information

1) Setting open/close time of inquiry, checking recording of daily log, start, flame out.

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DVR Menu Operation Instruction

In DVR menu, "ENT" is choose/confirmed; " ▼ ▲" is cursor up/down move keystroke. " ◀ ▶ "switch and cursor Right/Left move keystroke. "EXIT" is exit keystroke.
Press "ENT" keystroke into DVR menu, the screen will be display as below:
(Factory setting of device not password)

If need switch "Administrator" to "User", please press " ▼ ▲" let the cursor move to User name, press "ENT" keystroke choose this. When the character darken of "Administrator" press " ◀ ▶ " keystroke, switch "Administrator" to "User", press "ENT" to confirmed, after confirmed, "User" character will be brighten, in this time can press " ▼ ▲"to let the cursor up/down moving to go ahead other setting.

DVR Menu Operation Instruction

Main Menu:

CH —————
Display date time of system
Recording indicator Icon

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Record Setup

1) Record Mode: Auto Record/Timing
2) System: PAL/NTSC
3) Color: Standard/Soft/Gorgeous
4) Files size: 15/35/45/60Mins
5) Audio: ON/OF

Channel Setup：

1) Record enable function：can choose each channel recording on/off

2) Resolution: D1/HD1/CIF for choose

3) Code Rate: High/ Middle/ Low

4) Mirror: Can setting each way mirror/normal image alone (Once confirmed setting, the system will be refresh automatic)

Playback Menu

1) Channel choice: All/CH1/CH2/CH3/CH4 playback
2) Start time: choose start time of need to playback
3) End time: choose end time of need to playback

Function Setup

1) Language: Chinese/English

2) Time: Time setting

3) Preview Time: ON/OFF

4) The sign of preview channel: ON/OFF

5) Delay power off: 5/15/30Mins; 1/2/3Hours optional

System Maintenance

Storage

1) Display condition of disk

2) Formatting of SD card (Just for Administrator)