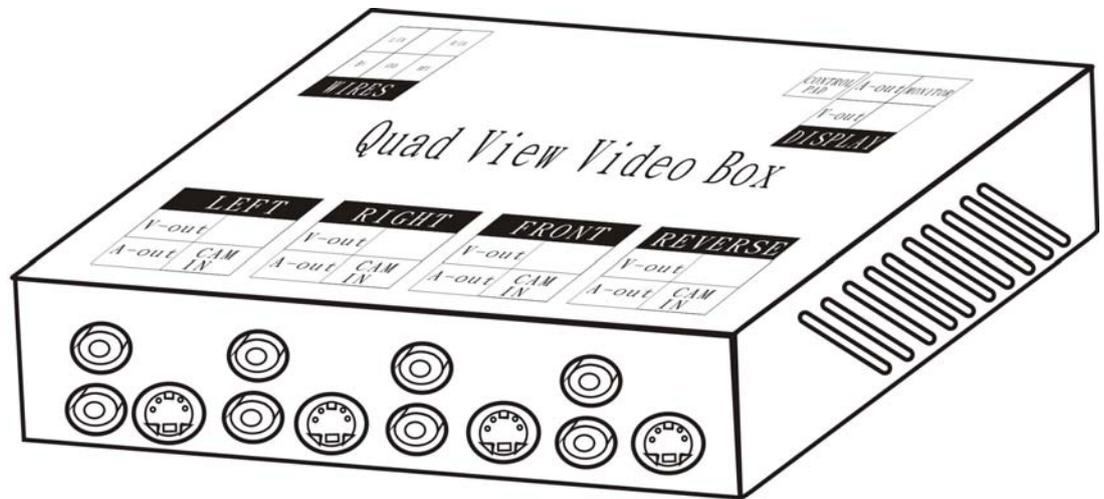


# Quad Video Switching Box

## User Manual



The Solution for Vehicle safety

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## PRECAUTIONS

### **Do not open or modify**

Do not disassemble the device, as it may cause damage to the unit. For internal repairs, consult your dealer or an Authorized Service Center.

### **Protection from humidity**

1. The device is not water-resistant. Do not put it in water and be careful to protect it from rain, sea water...etc.
2. If liquid or some foreign object has entered the unit, do not use it, but consult your dealer or/and Authorized Service Center. Do not touch the internal parts. These are high tension circuits that may cause sever electric shock.
3. To avoid damage or mis-operation of the device, only use it where the humidity is 30 – 90%.

**IDENTIFYING THE PARTS.....**

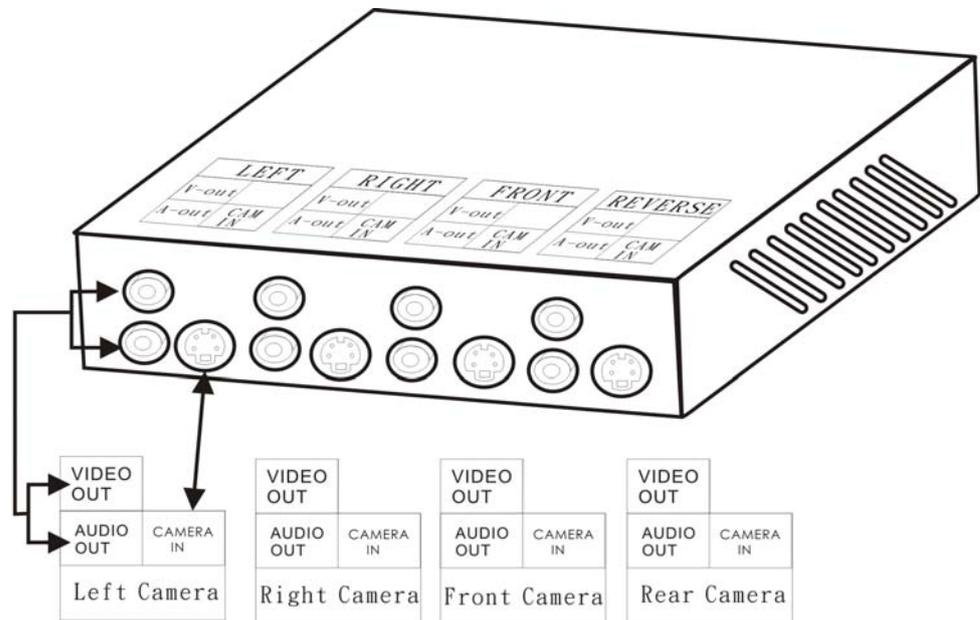
Standard Accessories

(Actual objects are subject to change without notice.)

Item	Quantity
Quad video switching box	1
Power cable	1
Wire control pad	1
User manual	1

INSTALLATION DIAGRAM.....

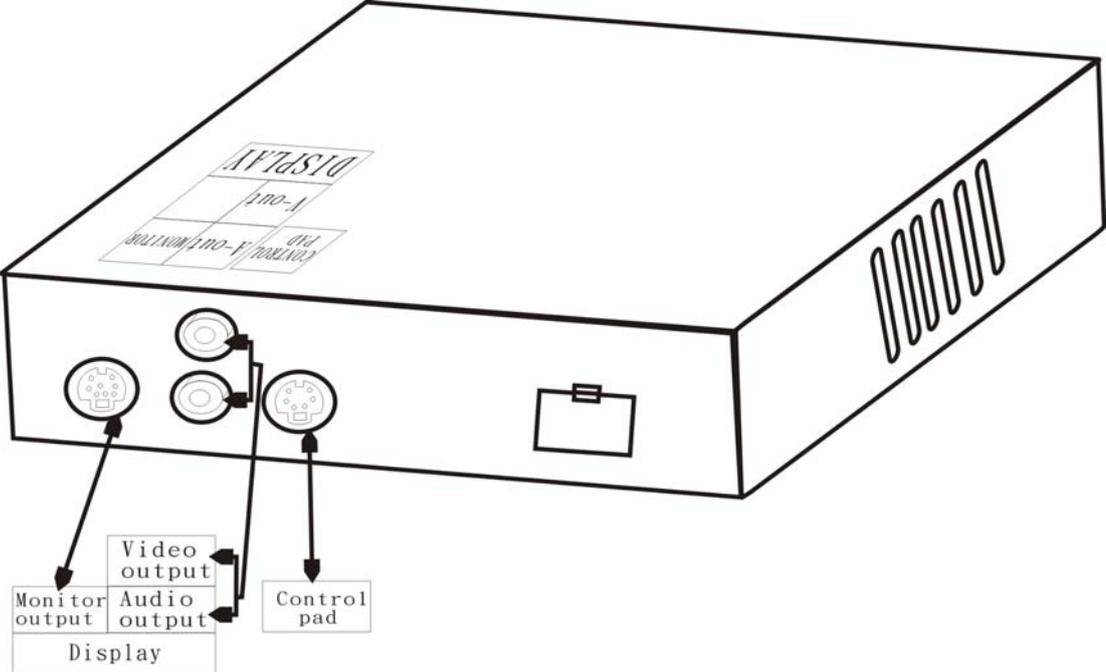
Camera or video input/output



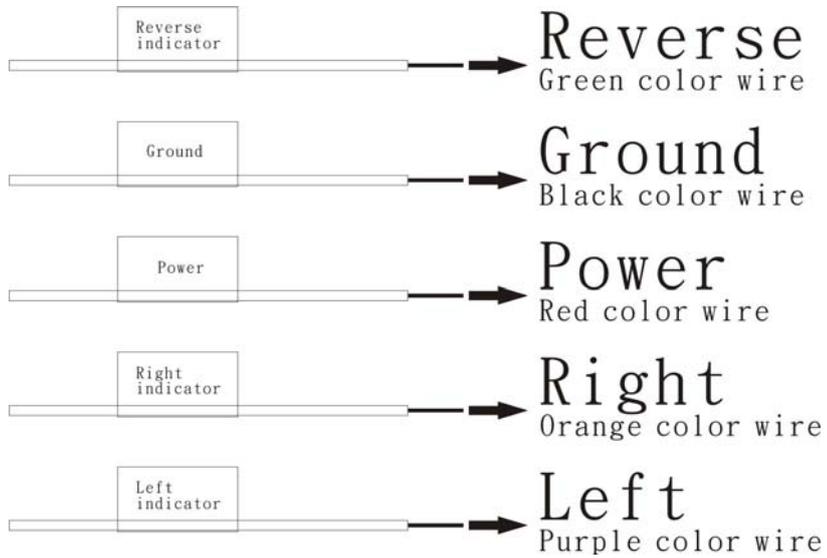
Note: All input devices could be camera or video

Recorder port could be connected by VCD, DVD, DVR, or monitor

Camera or video display



## Signal wire description



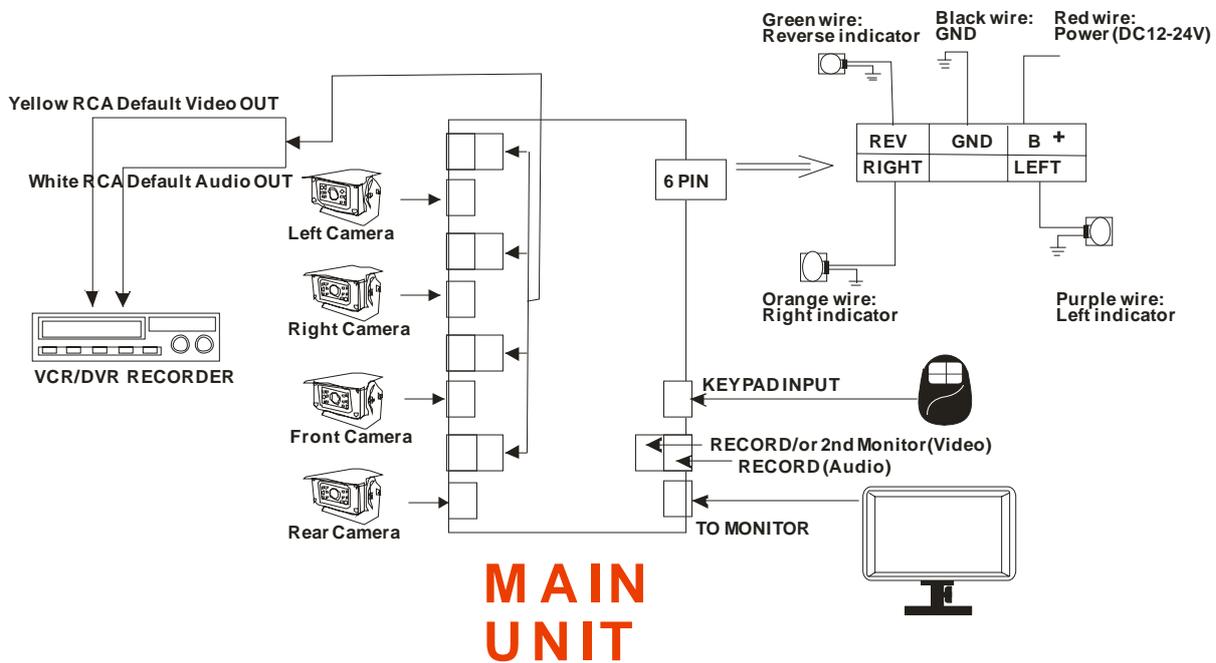
1. Green color wire connected to reverse indicator to trigger auto rear view.
2. Orange color wire connected to right indicator to trigger auto right view.
3. Purple color wire connected to left indicator to trigger auto left view.

Note: Turn off the engine/power when installation.

Control cable sequence: Reverse > Right/Left.

When car power is on, the monitor power is off, the monitor will auto turn on and display default screen when making a reverse/right/left switch.

# Installation diagram



## OPERATION INSTRUCTIONS

### Control Pad

**SOURCE** with power on press this button to select image sequence QUAD => Tri=>Split=>single=>switching

**(\* Keep pressing MENU button for 3 Seconds to exit auto switching mode.)**

**MENU** this button provides the following functions:

1. Active OSD menu: Press this button to activate the OSD menu. After the OSD menu is activated. The OSD menu will automatically turn off in seconds when the user does not proceed for further set up.
2. Enter function: Press the button to act as “ENTER” function under the OSD menu.

**UP & DOWN** Use these two buttons to select set up item under OSD menu

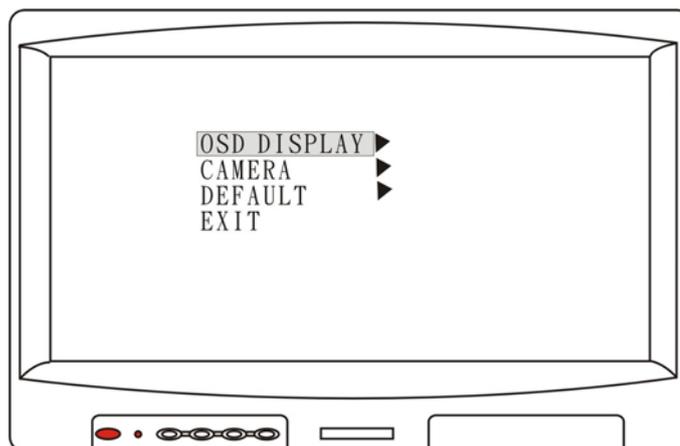
**(\* Press MENU and UP simultaneously to show the camera system)**

### OSD menu

1. Press the MENU button to enter the OSD menu
2. Press up/down button to select the setting. There would be a square blue color bar appear on the content to identify the selection.
3. Press the Menu button again until the set up is finished

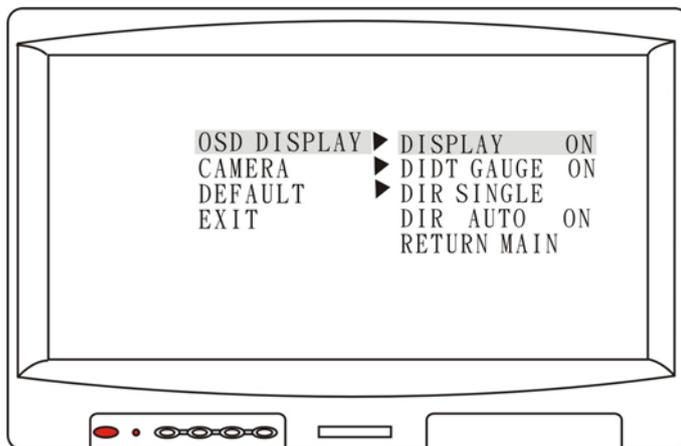
### Function set up

#### Main menu



## OSD DISPLAY

The OSD DISPLAY set up contains the on screen identification, the activation of the distance gauge, and the selection of the left/right turn function and display mode.



### DISPLAY

Set “ON” to show the source of video input on screen or “OFF” to keep it invisible. Default as “ON”.

### DISTANCE GAUGE

Set the distance gauge “ON” to show the distance gauge on screen while reversing or “OFF” to de-activate the distance gauge. Default as “ON”.

### DIRECTION MODE

Select the split or single screen image when making a left/right turn.

Split: with proper writing, the screen will display dual image for both rear and right hand side view when making a right turn. While left turning, the screen will show dual image for both rear and left side view.

Single: Screen shows only single picture on direction turn. The screen will show only left side view on left turn and only right side view on right turn.

### AUTO DISPLAY

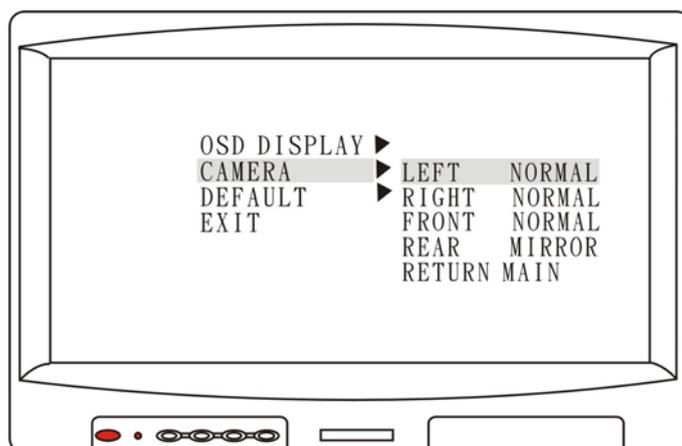
Set “ON” to activate the auto left/right turn wake up view when the monitor is off. Set “OFF” to de-activate the auto left/right turn wake up view when the monitor is off. Default as “ON”.

### RETURN MAIN

Return to the previous screen.

## CAMERA

Select “NOMAL” or “ MIRROR” image on each camera display.



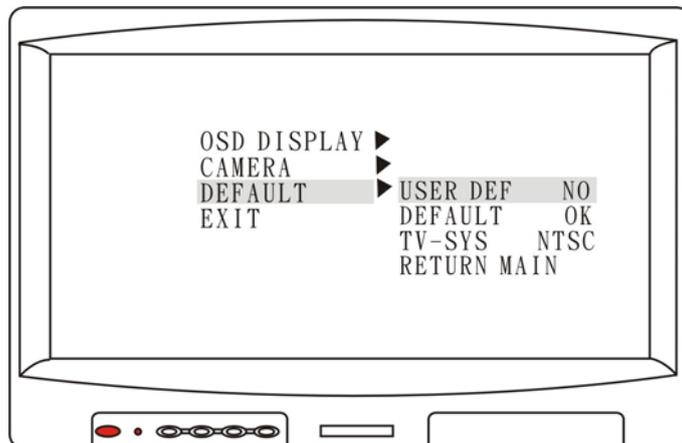
Default:      LEFT CAMERA    NOMAL  
                 RIGHT CAMERA    NOMAL  
                 FRONT CAMERA    NOMAL  
                 REAR CAMERA    MIRROR

### RETURN MAIN

Return to the previous screen.

## DEFAULT

The “DEFAULT” set up contains the personal preference set up and TV system set up.



### UESR DEFAULT

Select “OK” to save the personal preference setting. The system will remember the setting and will recall the setting on next power on. Default as “NO”.

### DEFAULT

Select “OK” to restore to the original factory default set up. Default as “OK”.

### TV SYSTEM

Select the output system for NTSC or PAL. Default as “NTSC”.

### RETURN MAIN

Return to the previous screen.

**EXIT** : Use this feature to exit OSD menu.

## FEATURES

- 12V and 24V system compatible
- Four camera (A/V) inputs (4-pin minidin connector carrying power, video and audio)
- Multi-image view modes: single/dual-split(2-way)/TRI-split(3-way)/quad view(4-way)/switching display mode.
- Four camera (A/V) outputs for recording.
- One monitor output and one A/V monitor output for recording.
- NTSC/PAL camera compatible in the same time
- User preference function set up.
- Manual (pushbutton) or automatic (trigger) source selection
- Turn-signal & reverse signal compatible trigger inputs
- Single or dual-split display selection when left/right turn
- OSD control for individual normal/mirror camera image
- OSD (On Screen Display) menu / user interface
- Easy installation

## SPECIFICATIONS

<b>Power sources</b>	DC 12V ~ DC 24V
<b>Camera input</b>	
Connector	4 pin mini din
Input signal	1Vpp
Impedance	75 Ohms
<b>Camera output</b>	
Connector	RCA
Output signal	1Vpp
Impedance	75 Ohms
<b>Monitor output</b>	
Connector	8 pin mini din
Output signal	1Vpp
<b>Monitor recording</b>	
Connector	RCA
Output signal	1Vpp
Impedance	75 Ohms
<b>Dimension</b>	168mm (L) x 102mm(W) x 40mm (H)
<b>Operation temperature</b>	-10 degree C ~ 70 degree C
<b>Humidity</b>	20% ~ 80%