

Release Date : 2016.07.28

Model : VL6-MMI2G / Product code : AD-1012-001

AUDI MMI2G High

Specification & Installation

Main Specification

1. Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Analog RGBS
- 1 x CVBS REAR-VIEW CAMERA Input (NTSC & PAL)
- 2 x AV Inputs AV1 and AV2 (NTSC & PAL)
- 1 x LCD Input (Car system Input)

2. Output Spec.

- 1 X CVBS OUTPUT (Video Out for example for Rear-Seat-Entertainment)
- 1 x Audio OUTPUT (Switched audio of AV1 and AV2 for example for Rear-Seat-Entertainment)
- 1 X LCD OUTPUT(Car LCD Operation)

3. Electric Power Spec.

- Input Power: 10VDC ~ 16VDC
- Consumption Power: 12WATT, Max

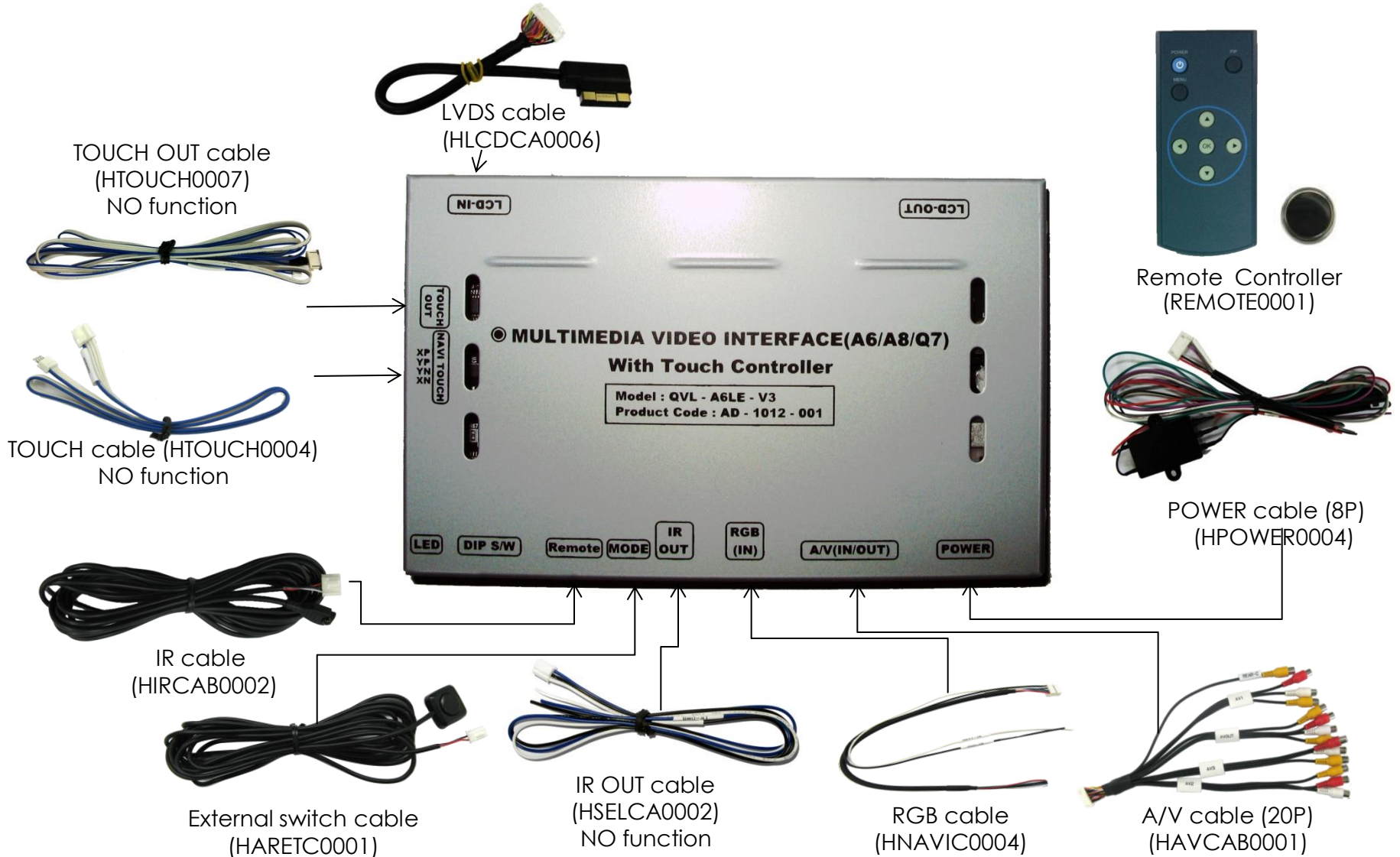
4. Switching AV Source

It is possible to skip (by dip settings) AV source while switching video mode.

Video mode can be switched by

- By remote control
- By external switch
- NAVI button of factory MMI control panel

Components



Exterior



Dimension

Horizontal length 130mm
Vertical length 105mm
Height 20mm

- ① LCD-OUT
- ② LCD-IN
- ③ TOUCH OUT
- ④ NAVI TOUCH
- ⑤ LED
- ⑥ DIP S/W
- ⑦ REMOTE
- ⑧ MODE
- ⑨ IR OUT – no function
- ⑩ RGB (IN)
- ⑪ AV (IN/OUT)
- ⑫ POWER

DIP switch

#PIN	Function	DIP S/W selection
1	RGB INPUT	ON : Deactivated OFF : Activated
2	CVBS AV1 INPUT	ON : Deactivated OFF : Activated
3	CVBS AV2 INPUT	ON : Deactivated OFF : Activated
4		N.C.
5		N.C.
6		N.C.
7	Rear Mode	ON : After-market rear-view camera OFF : OEM rear-view camera
8		N.C.

※ Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch setting whenever changing DIP switch. Otherwise, DIP switch setting will not be applied.



Remote control

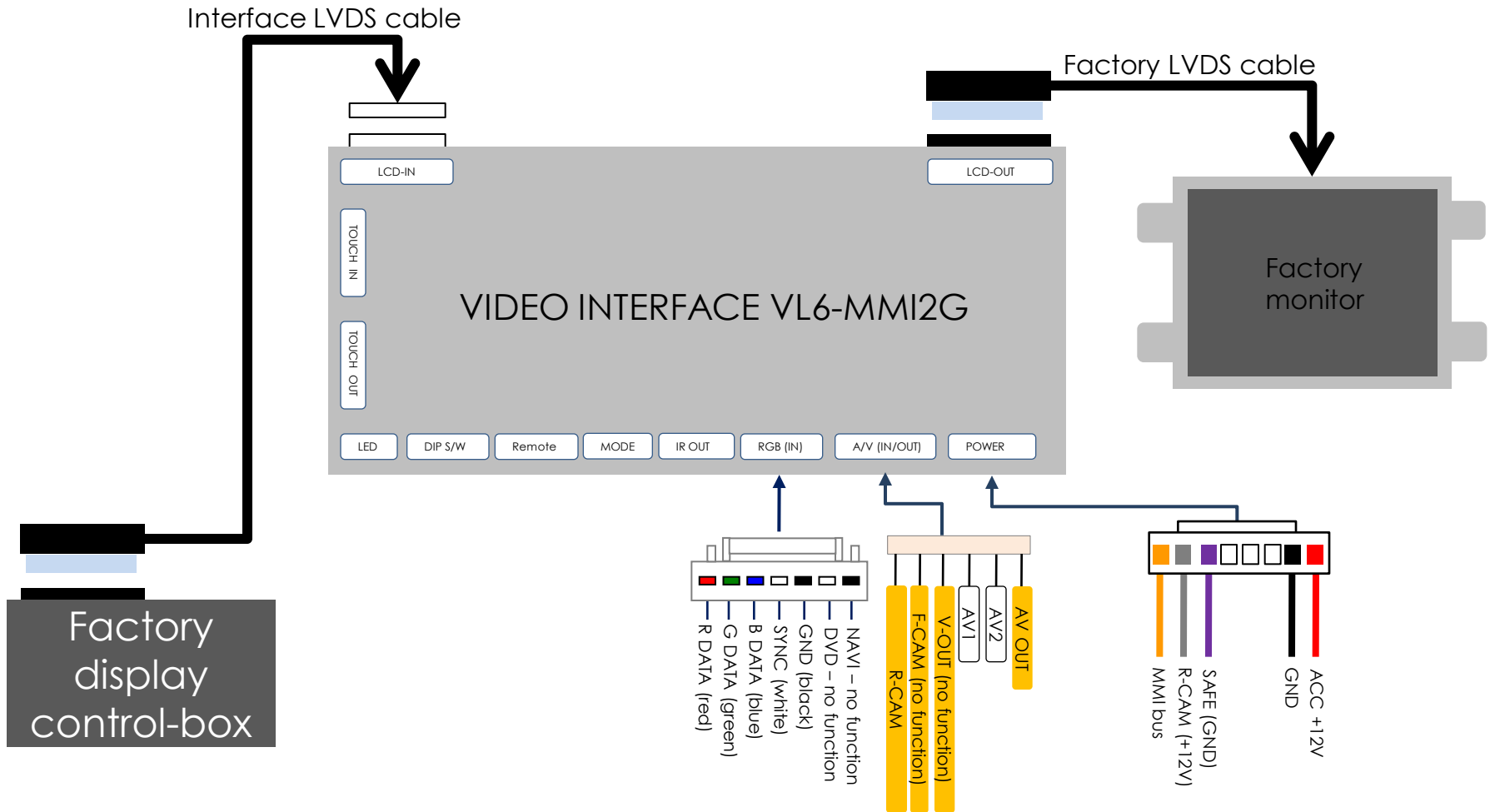
Key	Function
POWER & PIP	No function
MENU	Enter OSD MENU
OK	Confirm selection
▲	Move up
▼	Move down
◀	Move left
▶	Move right



Enter OSD FACTORY menu

Press ◀ button 2 seconds long or ▲ -> ▼ -> ▲ -> MENU buttons in sequence.

Installation diagram



Connect R-CAM wire (grey) to +12V R-gear signal for automatic switching to R-CAM input
Connect SAFE wire (purple) to GND handbrake signal if picture should be blocked in motion

Pre-installation notices

- During installation ignition key should be taken off and after all installation finish connect power cable with interface for the last step.
- Power cable should be separated when connecting interface.
- Should there is no any electronic devices or magnetic pole around installation place.
- All steps of installation should be done by well-trained specialist.
- Dismantling without manufacturer's permission can not be guaranteed, (No permission to break attached label on the board.)
- Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.
- According to our sales policy, any problems caused by user's mistake, careless can not be guaranteed.

Installation



1. Remove screws on Glove box.



2. Open Glove box, remove screws.



3. Open fuse box in front of passenger seat
Remove screws.



4. Pull the glove box out to take apart

Installation



5. Remove CD Changer



6. Before Installation, unplug the red original power plug



7. Remove metal sleeve from display control-box



8. Separate the Mitsumi connector from the display control-box.

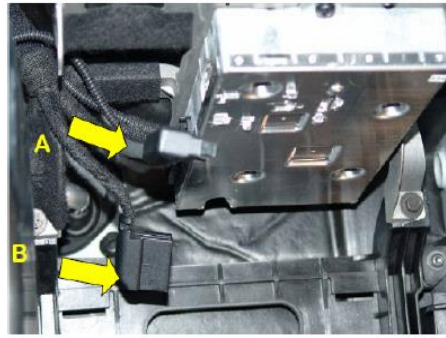
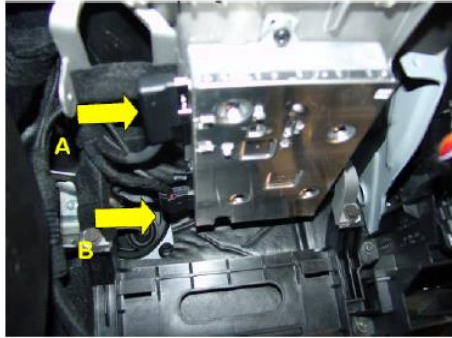
Installation



9. Connect the cable factory Mitsumi connector to the LCD OUT port of the interface.
(Picture is showing old version interface on which the port was on an external cable)

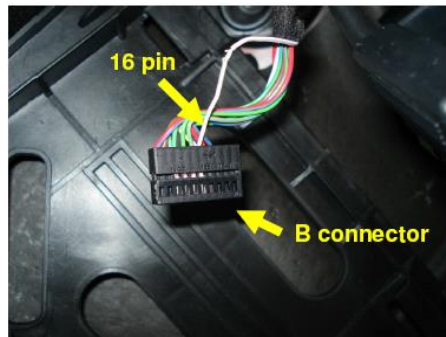
Using factory NAVI button for video mode

Optional: If this connection is done switching of video mode is possible by factory NAVI button of MMI

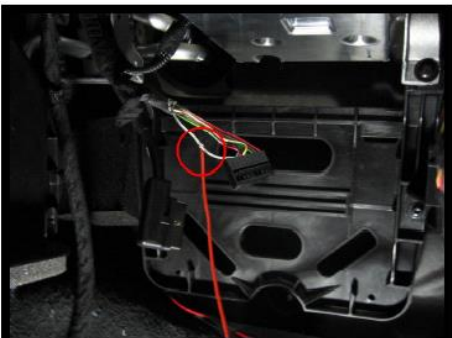


① Attention!!

Find A, B Connectors of MMI module.
For safety, unplug MMI Power Cable (B Connector) and then A connector.



② Find 16th pin after uncovering B connector.



③ Connect Navi orange wire from Power cable to the 16th pin of the connector.

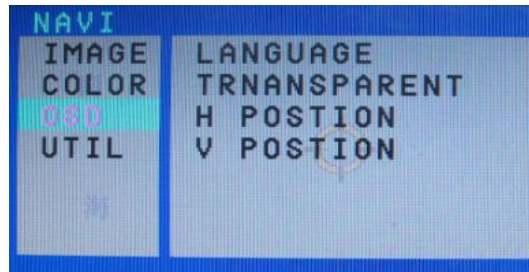
OSD MENU – input specific settings

To enter OSD MENU: Press "MENU" button on the remote control while in the corresponding in input.
Settings are for the input from you MENU has been entered and which is running in the background.

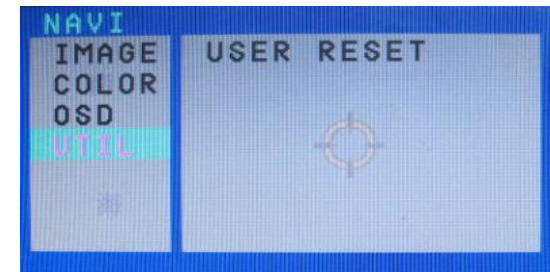
Analog RGB



Analog RGB



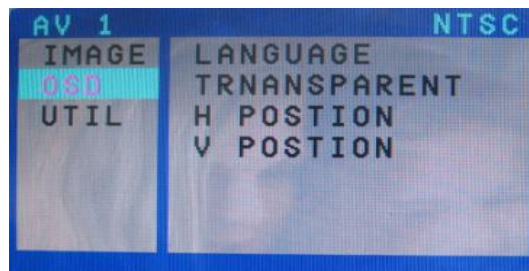
Analog RGB



Video



Video



Video



IMAGE

- BRIGHTNESS
- CONTRAST
- SATURATION
- HUE
- SHARPNESS
- USER IMAGE: Choose an option among 4 prepared color shades.

OSD

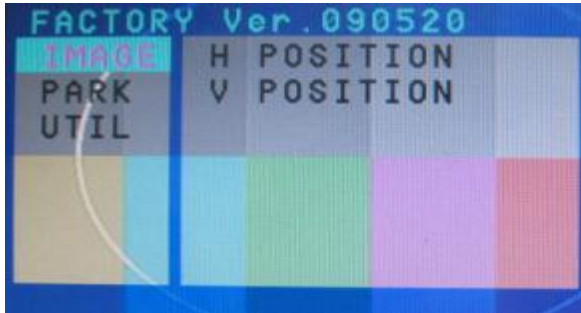
- LANGUAGE: Choosing OSD language while using Touch OSD (English and Chinese only)
- TRANS: Transparency control of the OSD background
- H POSITION: Horizontal movement of the OSD window
- V POSITION: Vertical movement of the OSD window

UTIL

- USER RESET: OSD MENU RESET

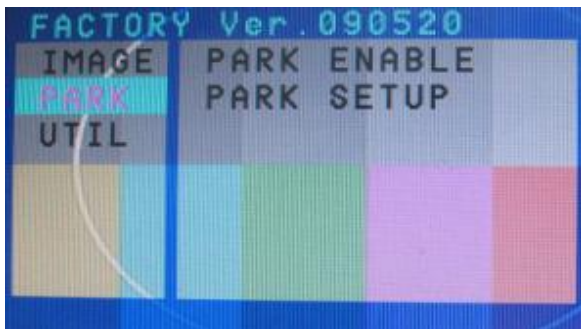
Factory OSD menu – general settings

Enter FACTORY OSD menu by pressing ◀ button 2 seconds long or ▲ -> ▼ -> ▲ ->MENU buttons of the remote control



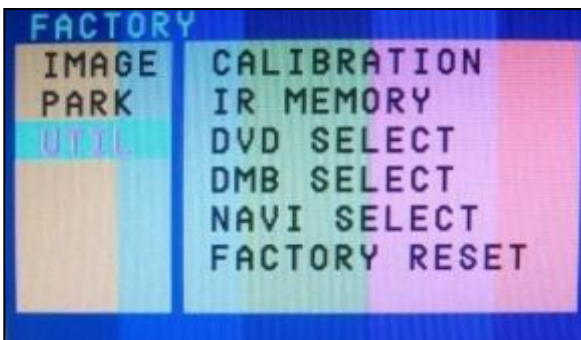
IMAGE

- H POSITION: Horizontal picture position
- V POSITION: Vertical picture position



PARK

- PARK ENABLE: Activation or Deactivation of guide-lines for R-CAM input
- PARK SETUP: Adjust position of guide-lines (see next page)



UTIL

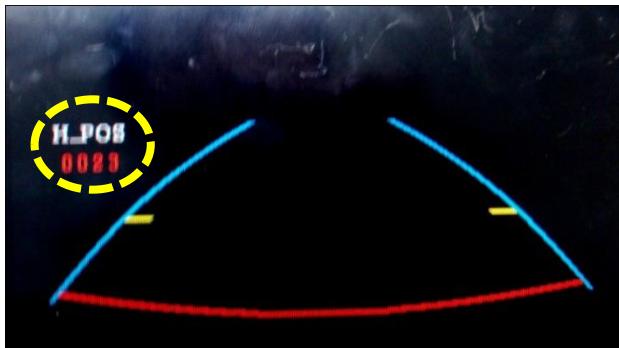
Menu items CALIBRATION, IR MEMORY, DVD TYPE, DMB TYPE and NAVI SELECT are not supported functions.

FACTORY RESET: Reset all values to factory defaults

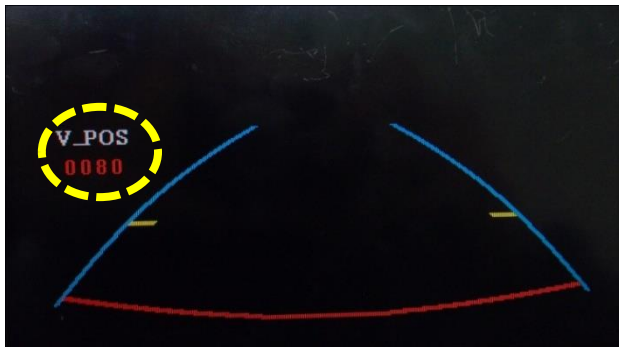
R-CAM input guide-lines adjustment



① Enable guide-lines under menu item "PARK ENABLE". Set to "ON" (factory default – ON)



② Choose menu item PARK SETUP. Adjust horizontal position of the guide-lines while H_POS is shown.



③ After adjusting horizontal position, press OK on the remote control. Adjust vertical position of the guide-lines while "V-POS" is shown.

Troubleshooting

Q. I can not switch A/V sources

A. Check IR or Ground cable connection. Check LED lamps in the interface, if it is not on, check power cable.

Q. All I got on the screen is black

A. Check second LED lamp of the interface , if it is off, also check A/V sources connected are working well or not.
(Second lamp indicates AV sources connected works well.) Check interface connection.

Q. Displayed image color does not appear normal. (too dark or improper color)

A. Try to select "INITIAL" in OSD menu, if it does not work, inform the manufacturer.)

Q. Rear camera image does NOT appear

A. Set DIP switch #7 in "ON"

Q. Unwanted A/V mode is displayed. (A/V source switching order : OEM->RGB->AV1->AV2->AV3)

A. Check DIP Switch Setting.

Q. OEM image is not displayed or screen only displays white color

A. Check interface's LCD In/Out cable connection. Interface connection must be done to factory display control-box – NOT to factory monitor.