

Model: QVI-LX11(1CH)-V7.1 SET Product Code LVTX-1CH-1203-005

Video Interface for Toyota/Lexus with HDD GEN6 OEM Navigation

Manual + Installation

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Warning / Caution



Warning

- When installing the main unit, do not remove or alter existing vehicle fasteners, including nuts, bolts, screw, clips, and fittings. Never detach, move or alter existing vehicle wiring, including electrical grounds and straps. Alteration of existing vehicle components may make vehicle unsafe to operate. Should be no any electronic devices or magnetic pole around installation place.
- Air bags are vital part of a safety system. Never install main unit in a way which will alter air bag wiring or interfere with air bag deployment. Air bags must function properly in the event of an accident.
- Before installing, check the location of pipe, tank, electrical cables and others.
- Read and follow the instruction manual.
- Wiring location must not interfere driving, get in or out from car.
- Use electrical tape to insulate the ends of all wires, even if they are not used. Proper insulation prevents arcs, shocks and fires.
- When installation is complete, test all vehicle electrical systems to ensure they operate correctly, including lights, horn, brake lights, and emergency flashers.
- According to our sales policy, any problems caused by user's mistake, careless can not be guaranteed.



Caution

- All steps of installation should be done by well-trained specialist.
- During installation ignition key should be taken off and after all installation finish connect power cable with interface for the last step.
- Do not install the main unit in places where it ma be exposed to dew condensation (around the air conditioning hose, etc), or in locations where it may come in contact with water, high levels of moisture, dust or oily smoke
- Install wiring in a manner in which cables will not come in contact with metal parts. The wiring may be damaged by contact with metal parts, resulting in fire and shocks. Avoid all contact with hot surfaces when wiring the main unit. High temperatures may damage wiring, causing shorts, arcing and fires.
- Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.

1. Specification

1.1 Main Specifications

1. Main Components

Multimedia Interface * 1EA
Sub-board * 1EA

2. MULTIMEDIA INTERFACE input specification

3 * A/V (NTST&PAL) Input
1 * CVBS(Rear Camera) Input
1 * Analog RGB
1 * LCD input (Car system input)

3. MULTIMEDIA INTERFACE output specification

1 * LCD output (LCD performance)
1 * Audio output
2 * CVBS output

4. Power specification

Input power : 8VDC ~ 16VDC
Consumed power : 4WATT (Max)

5. Switch input mode

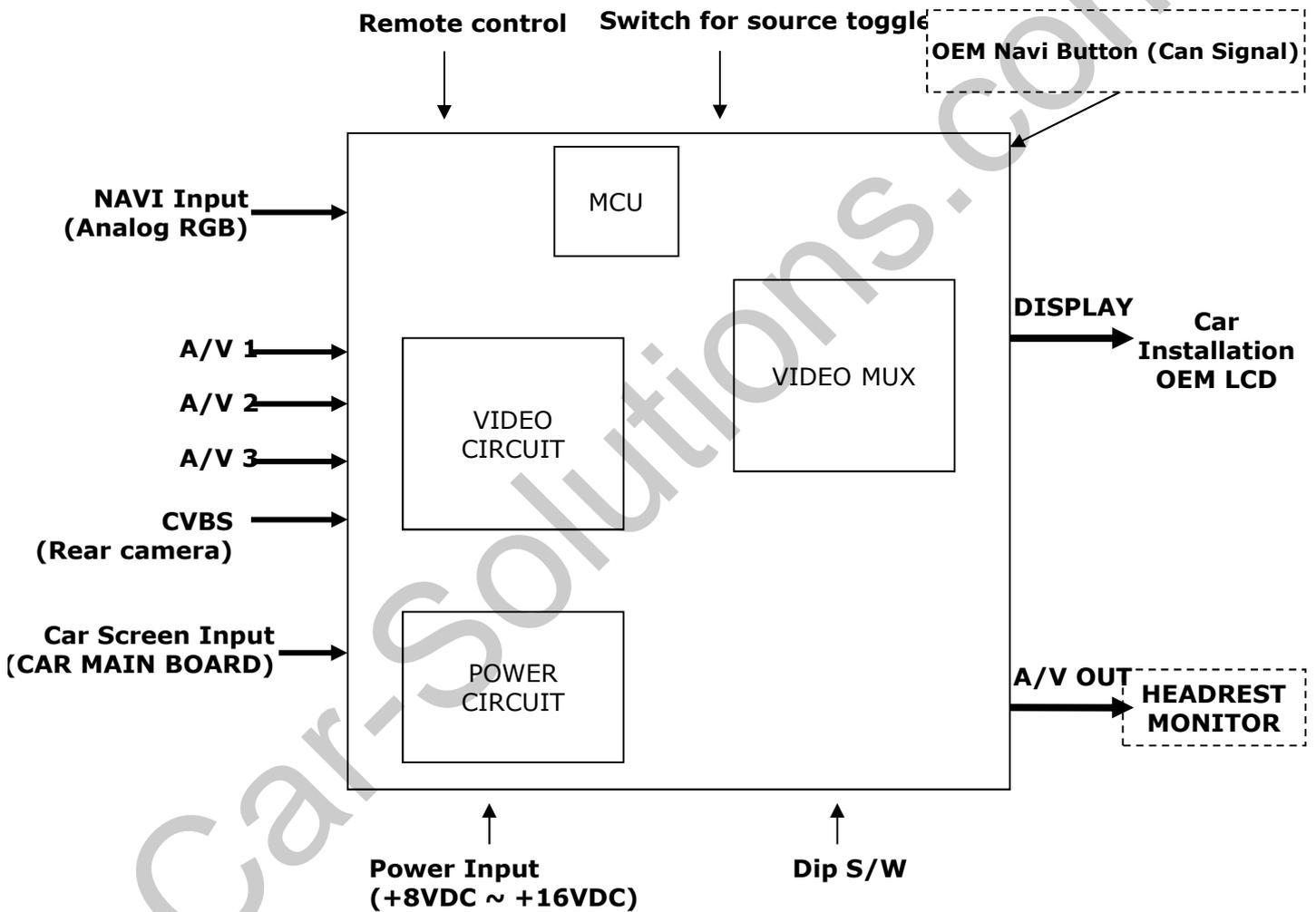
-External display skip function : Through DIP switch, user can control each video input
-Through remote control, user can change input mode
-By pressing the MODE SWITCH, the mode will be switched.

1.2 Features

- Able to adjust DVD, NAVI on the screen
- Improvement in Screen Display(User friendly interface)
- Add Safe function (While driving, the screen shows the main page)
- A **MODE SWITCH** button is provided to switch the mode.

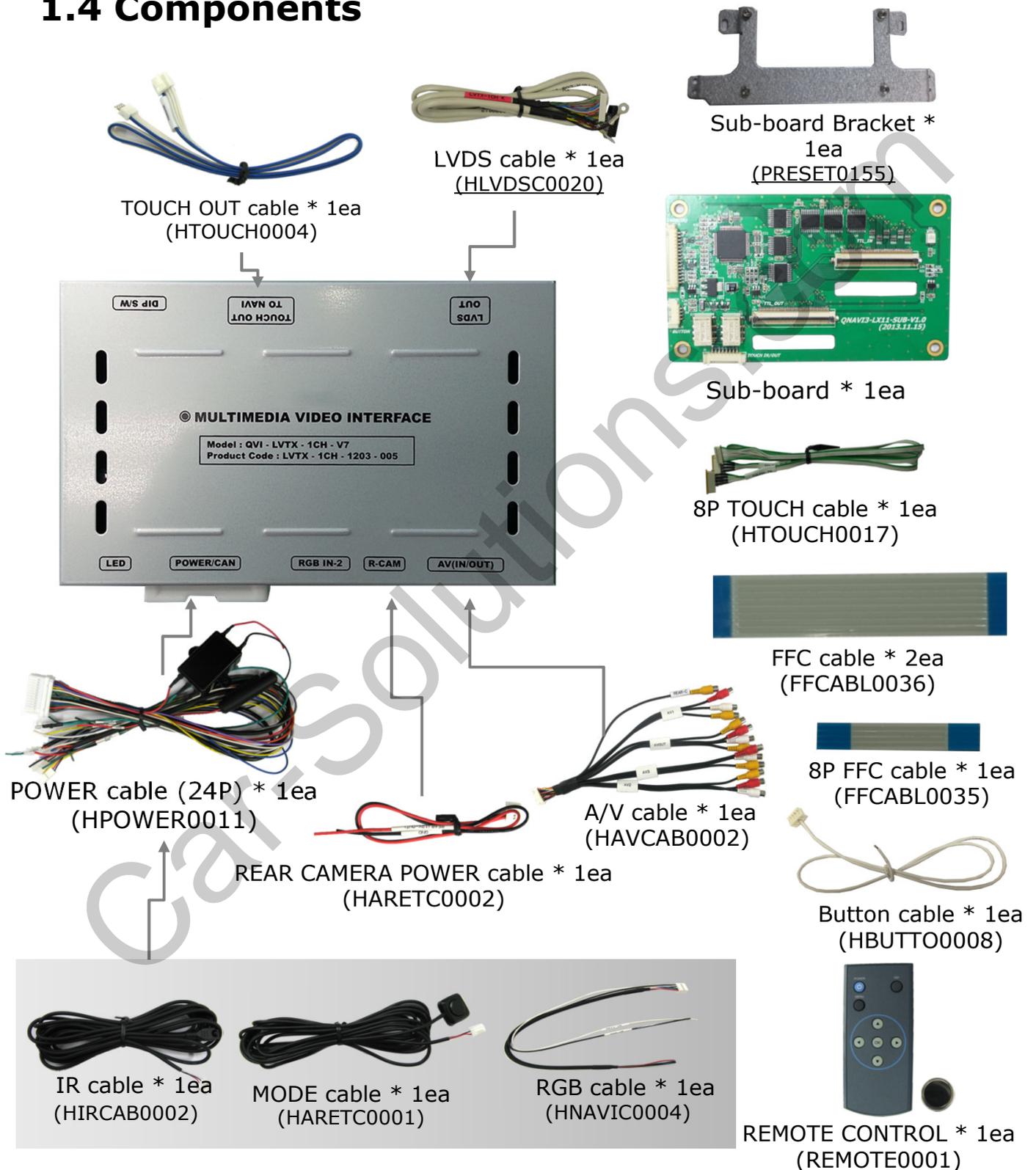
1. Specification

1.3 System Diagram



1. Specification

1.4 Components



1. Specifications

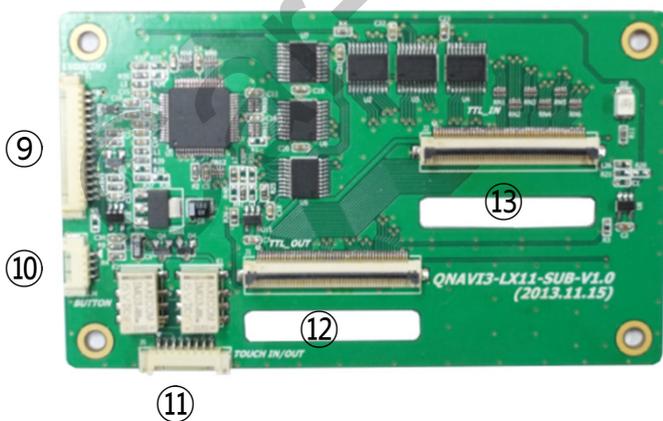
1.5 Exterior



Dimension

Width 125mm
Length 105mm
Height 21mm

- ① LED
- ② POWER
- ③ RGB IN-2
- ④ R-CAM
- ⑤ AV(IN/OUT)
- ⑥ DIP Switch
- ⑦ TOUCH OUT TO NAVI
- ⑧ LVDS OUT



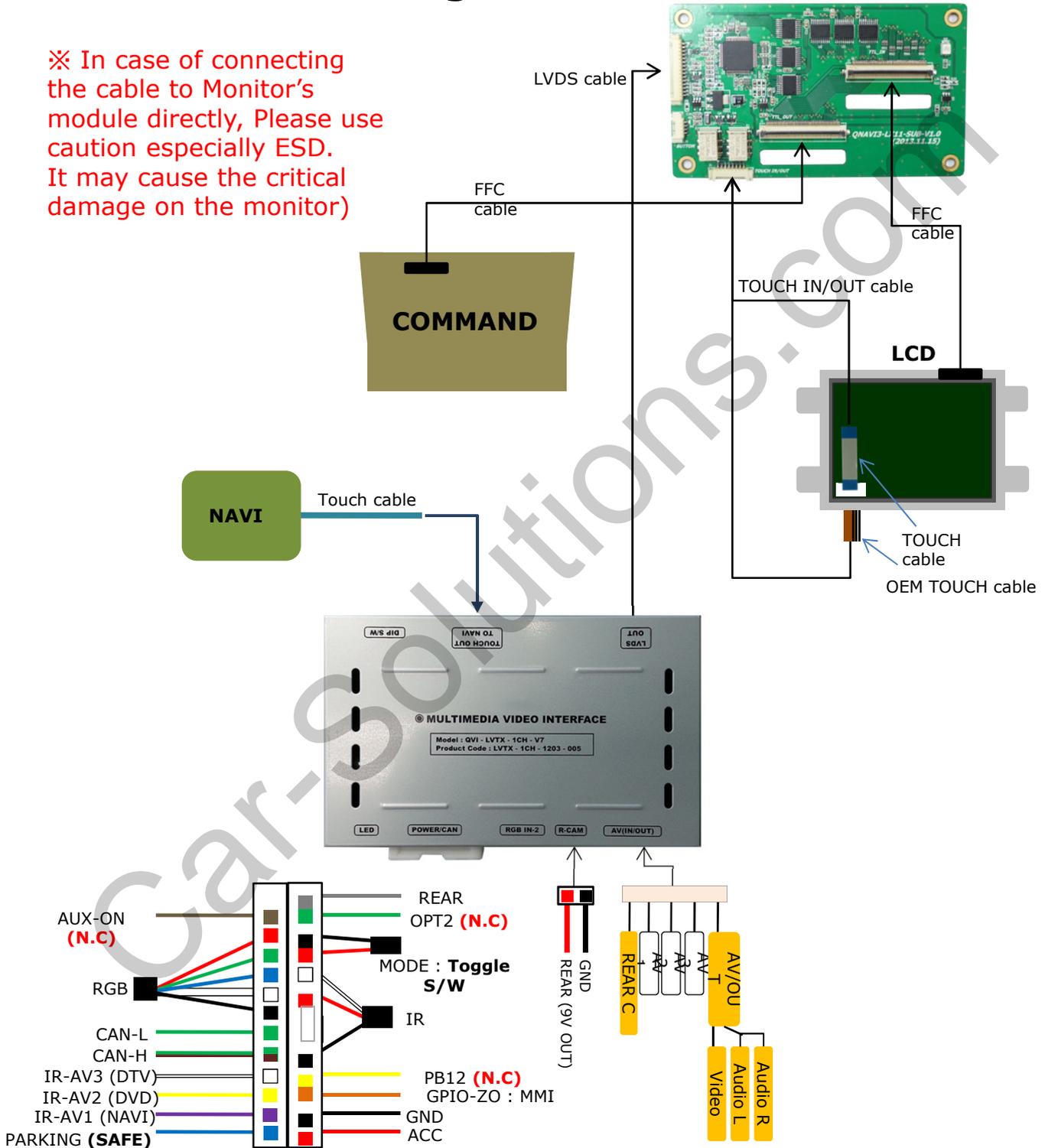
- ⑨ LVDS-IN
- ⑩ BUTTON
- ⑪ TOUCH IN/OUT
- ⑫ TTL_OUT
- ⑬ TTL_IN

- SUB BOARD -

2. Installation

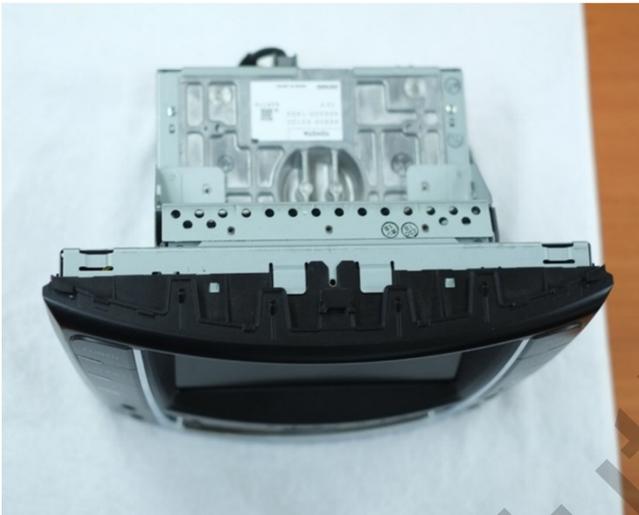
2.1 Installation Diagram

※ In case of connecting the cable to Monitor's module directly, Please use caution especially ESD. It may cause the critical damage on the monitor)



2. Installation

2.2 Installation



- ① Remove the monitor from the vehicle.
- ② Detach Monitor's cover from the head unit.

2. Installation

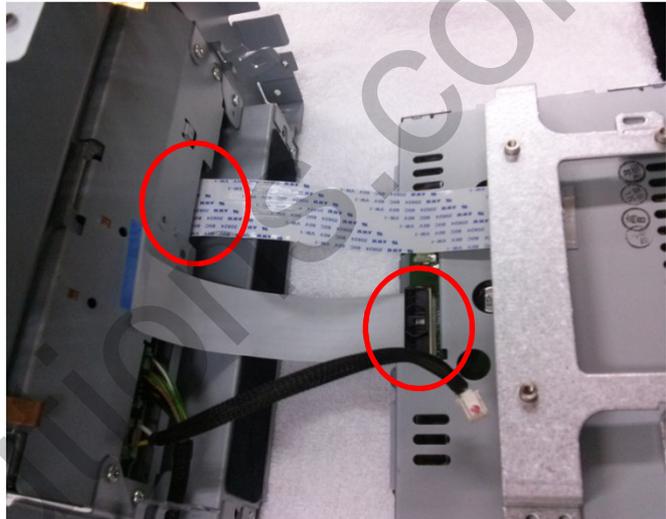
2.2 Installation



- ① Separate LCD part from the head unit.
- ② Disconnect the OEM cables and remove the black plastic connector.

2. Installation

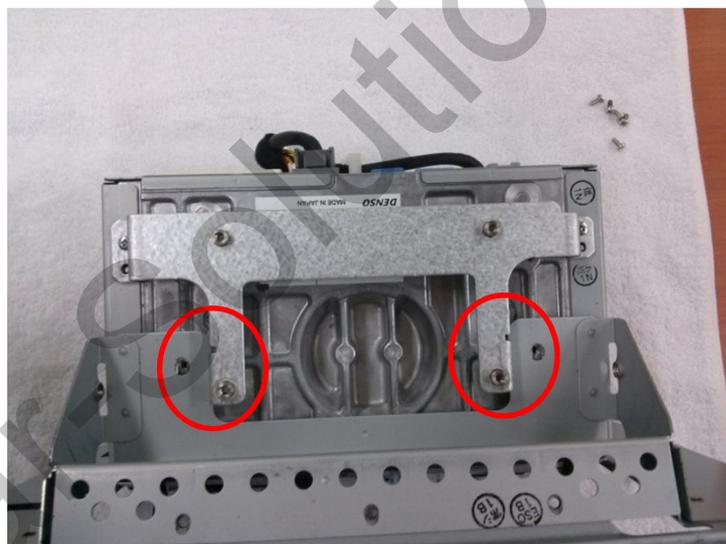
2.2 Installation



- ① Attach black connectors to FFC cables provided by us as shown on the left
- ② Link the new FFC cable to the place where OEM FFC cables were connected. Refer to the right picture.

2. Installation

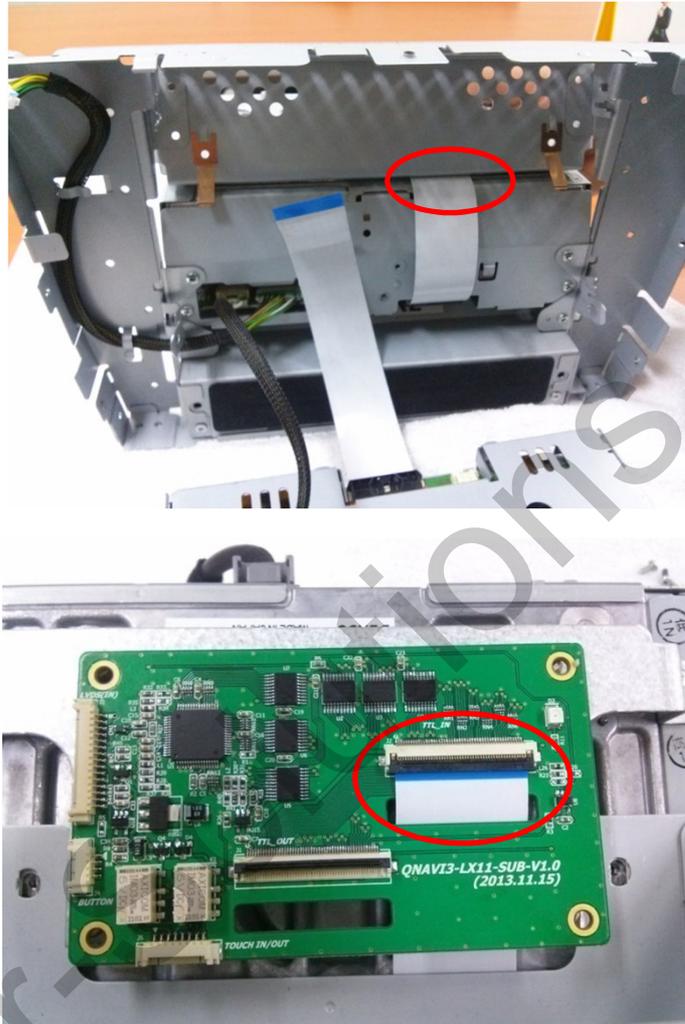
2.2 Installation



- ① Assemble the bracket provided by us on the top of the body.
- ② Holes where are marked in red are the place to be assembled with our bracket.

2. Installation

2.2 Installation



- ① take out the FFC cable from the gap of the head unit and then link it to TTL IN of our Sub-board.

2. Installation

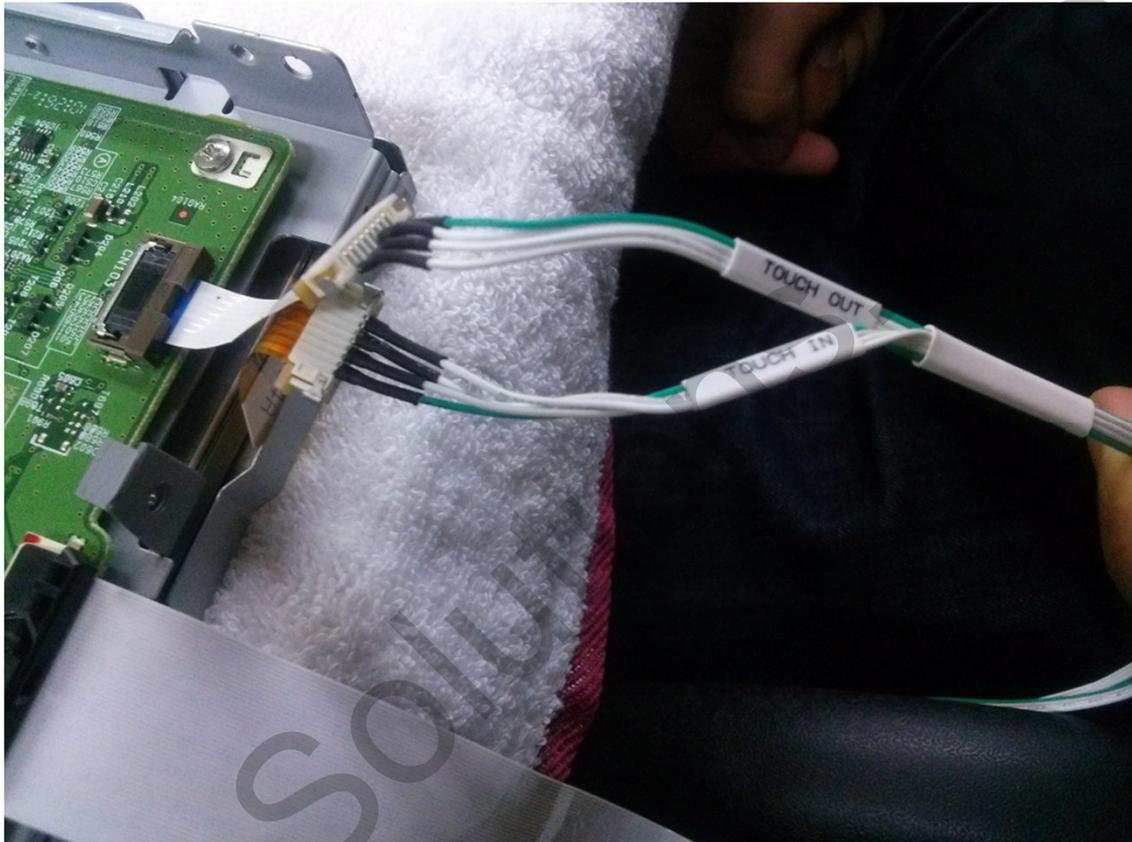
2.2 Installation



- ① Remove the cover of LCD part which was separated from the head unit.

2. Installation

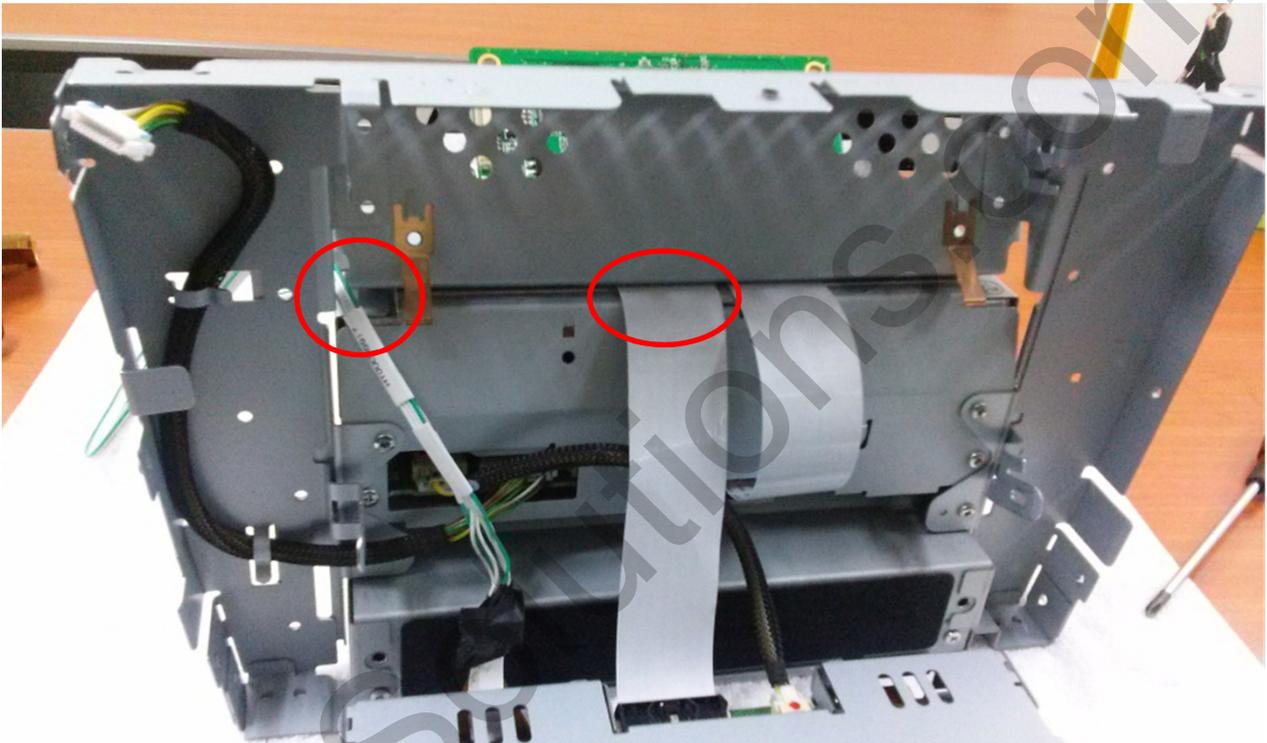
2.2 Installation



- ① Connect touch out cable to our FFC cable and link touch in cable to OEM FFC cable.

2. Installation

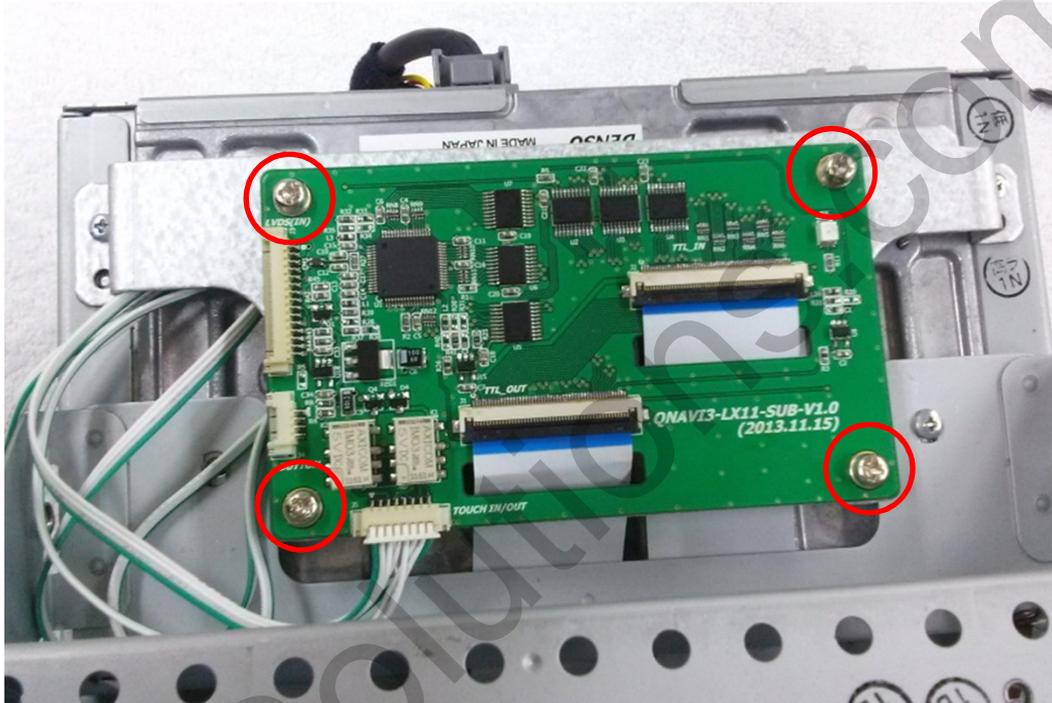
2.2 Installation



- ① Draw out our touch in/out cables and FFC cables between gaps marked

2. Installation

2.2 Installation



- ① TOUCH IN/OUT cables are linked to TOUCH IN/OUT of subboard, FFC cable linked to LCD is connected to TTL_OUT
- ② Tighten the marked bolts to be fixed with bracket.

3. Setting

3.1 DIP Switch



※ **ON : DOWN / OFF : UP**

※ For example, Use of DIP S/W
 - Input mode: A/V3, Navigation (RGB)
 - OEM Navigation Not available
 - Rear Camera : When it is installed to CVBS4

- ▷ DIP S/W : 1 → OFF
- ▷ DIP S/W : 2,3 → ON (Input mode Skip)
- ▷ DIP S/W : 4 → OFF (A/V3 possible)
- ▷ DIP S/W : 5 → OFF
- ▷ DIP S/W : 6 → ON
- ▷ DIP S/W : 7 → ON (CVBS4 possible)
- ▷ DIP S/W : 8 → OFF

PIN	Function	Dip S/W choice
1	RGB input skip	ON : RGB mode skip OFF : RGB Display
2	A/V 1 Skip	ON : A/V 1 Skip OFF : A/V1 Display
3	A/V 2 Skip	ON : A/V 2 Skip OFF : A/V2 Display
4	A/V 3 Skip	ON : A/V 3 Skip OFF : A/V3 Display
5	Car model setting	OFF : DEFAULT
6		ON : DEFAULT
7	Rear mode	ON : external Rear Camera OFF : OEM Rear Camera
8	ON : OEM Navigation OFF : External Navigation (Default)	

※ After resetting the DIP switch, disconnect the power and reconnect the power. Otherwise, the new settings will not be applied.

3. Settings

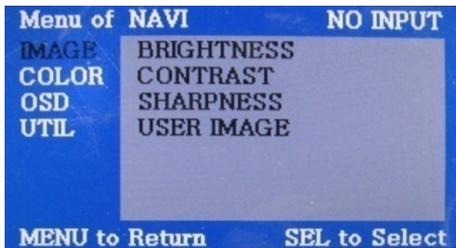
3.2 Remote Control



Key	기능
POWER & PIP	Unavailable
MENU	Activating OSD menu
OK	Making a selection, changing image display
▲	Moving upward
▼	Moving downward
◀	Moving leftward (If you press this button 2 seconds long, you can access the factory mode.)
▶	Moving rightward (If you press this button 2 seconds long, you can reset all the data about user environment.)

3. Setting

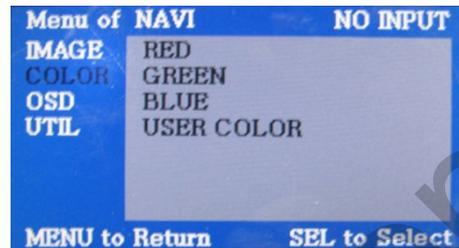
3.3 OSD (On Screen Display) / Analog RGB Mode



□ IMAGE

- * BRIGHTNESS
- * CONTRAST
- * SHARPNESS
- * USER IMAGE

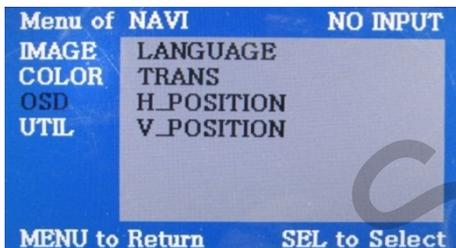
: User settings among four options



□ COLOR

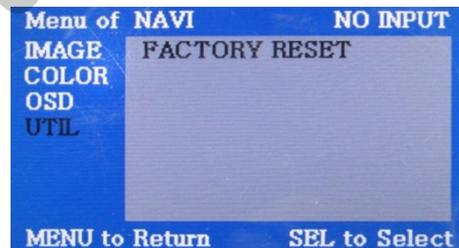
- * RED
- * GREEN
- * BLUE
- * USER COLOR

: User settings



□ OSD

- * LANGUAGE : Set OSD Language (Chinese, English available)
- * TRANS : Adjust OSD transparency
- * H_POSITION
OSD : Move OSD horizontally
- * V_POSITION
OSD : Move OSD vertically



□ UTIL

- * FACTORY RESET
: Start Factory reset only for OSD function (unable reset video position)

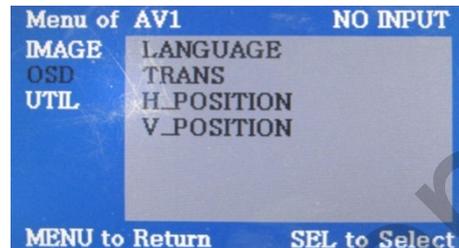
3. Setting

3.3 OSD (On Screen Display) / Video Mode



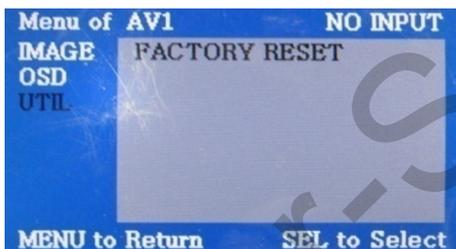
□ IMAGE

- * BRIGHTNESS
- * CONTRAST
- * SATURATION
- * HUE
- * SHARPNESS
- * USER IMAGE
: User settings among 4options



□ OSD

- * LANGUAGE : Set OSD language (only support English and Chinese)
- * TRANS : Adjust OSD transparency
- * H-POSITION : Move OSD horizontally
- * V-POSITION : Move OSD vertically



□ UTIL

- * FACTORY RESET
: Factory reset only for OSD function
(unable reset video position)

3. Setting

3.4 Factory Mode

FACTORY mode – Press left button for 5 seconds



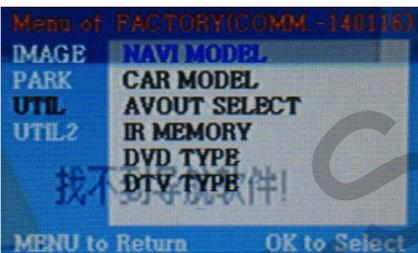
□ IMAGE

Change image location

- * H-POSITION : Move image horizontally
- * V-POSITION : Move image vertically

□ PARK

- * PARK ENABLE
- * PARK SETUP
- * REAR SELECT
- * SAFE ENABLE



□ UTIL

- * NAVI MODEL : DEAFULT, PANA RGB, CARROZZERIA, HDMI, A CLASS, GN3000, MYVI, ICUBE, GI8000, GI5000, GI5000A, WP9200, KD900, DELPHI, MD7000
- * CAR MODEL : LEXUS-2011 only
- * IR MEMORY : Enter input of remote button
- * AVOUT SELECT : DEFAULT, AV1, AV2, AV3
- * DVD TYPE
- * DTV TYPE

□ UTIL2

- * CALIBRATION
- * TOUCH ENABLE
- * OEM SKIP
- * HDMI SKIP
- * FACTORY RESET

3. Setting

3.5 Rear Parking Guidelines

FACTORY mode – Press ◀ button 5 seconds long on the remote control.



□ PARK

- * PARK ENABLE : Option to display the parking guide line(Factory reset- OFF)
- * PARK SETUP : Adjusting the position of the parking guide line (PARK SETUP -> V-POSITION, H-POSITION)
- * REAR SELECT : Choose rear camera recognition
 - LAMP : - Detecting the rear view camera via rear lamp (Rear-C" cable of the power cable to the rear lamp of the car)
 - CAN : Detecting the rear view camera by CAN signal (Installer must connect "CAN" cable of the power cable to the "CAN" cable of the car)
- * SAFE ENABLE : Connect Safe cable of power cable to brake cable of hand brake
 - ENABLE : Shows only main page when Drive mode is engaged
 - DISABLE : Display the image you choose

※When installing the rear camera :

Put DIP S/W #7 down
(Refer to page 6)

□ PARK - ENABLE

- A. PARK ENABLE – ON
Display the parking guide line as above
- B. At this time, when press OK button on the remote, H-POS will appear on the screen and able to move it horizontally.



□ PARK - ENABLE

- A. After adjusting "H_POS", press OK button, then "V_POS" will appear and able to move it vertically.

3. Setting

3.6 Calibration

FACTORY mode – Press left button for 5 seconds



1. Touch Calibration - YES / NO



2. The message will appear for 2 seconds as indicated above. Then, Calibration will be activated.. (Press "+" mark) . When it is done successfully, it will show success. Otherwise, it will show failure.

3. Setting

3.7 Remote button Input

FACTORY mode – Press left button for 5 seconds



1. First of all, press ◀ button on remote controller 2 seconds long or press UP→DOWN→UP→MENU button in order to access Factory mode. Then, choose IR MEMORY on UTIL.

In IR MEMORY, you can choose AV source of DTV and DVD you want to use.

2. Picture above shows DVD remote control button value input, select menu you want to save (To register DVD remote control button value, select IR MEMORY – DTV and follow below instructions.)

For example)

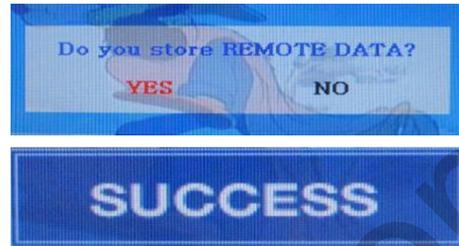
- a. After select OK button on OSD menu, press intended I-Drive button
- b. Indicated part above will flicker, and press POWER on DVD remote control. (continue to next page)

What is IR-MEMORY Mode?

Is to allow touch screen to control other DVD or DTV (besides the existing,; for example : SANYO, NECVOX) by register remote control value.

3. Setting

3.7 Remote button Input



Instruction> continued...

- c. The values that you registered will appear as green text in the marked area on pressing the button. And the values will be saved automatically.
- d. Register remain buttons' value in OSD menu like the above-mentioned.

- 3. After register, select "INPUT" in OSD menu. Then, you press OK button. The message will appear to choose Yes or No. "Yes" means it saves all settings and "No" means that it will not save the changed settings.
(If data is saved, DVD TYPE and DTV TYPE will be changed to "USER" automatically.)

If you see "SUCCESS" on screen, the data is saved clearly and you can control DVD via touch screen.

BUT, you MUST change the option in FACTORY-UTIL-DVD to "USER".

(Refer to the next page)

4. Trouble Shooting

Q. Unable to change mode

A. Check connection of Ground cable and IR Cable.
Check LED lamp is on, if not check connection of POWER cable.

Q. Screen shows only black.

A. .Check second LED lamp of the interface is on, if not, check A/V sources connected are working well.
(Second lamp indicates AV sources connected works well.) Check interface connection has been done well.

Q. Displayed image color is not proper (too dark or unsuitable color)

A. Go to Factory Mode -> Unit -> Factory reset. , if it does not work, inform to manufacturer.

Q. I cannot watch the rear camera on the screen

A. Set the DIP switch #7 as state "ON".

Q. Set mode not appear

A. Check DIP Switch.

Q. OEM image is not displayed.

A. Check interface's LCD In/Out cable connection. If the status keeps on, inform to manufacturer.

Q. Screen only displays white color.

A. Check LCD out cable is connected well, if this status keeps, inform to manufacturer.