INFINITI
GVIF INTERFACE

Contents

Spec

1. Input Spec. (MULTI VIDEO INTERFACE)
- **2 x A/V Input (External video source).**
- **1 x CVBS(REAR CAMERA) Input. (Rear camera source)**
- **1 x CVBS(Front CAMERA) Input. (Front camera source)**
- **1 x Analog RGB Input (Navigation System output)**
- **1 x LVDS Input. (Car Command System)**

2. Output Spec.
- **2 x CVBS Output (Video out for Installing Headrest Monitor)**
- **1 x Audio L/R Output.**
- **1 x LCD Output (LCD Operation)**

3. Power Spec.
- **Input Power : 8VDC ~ 24VDC**
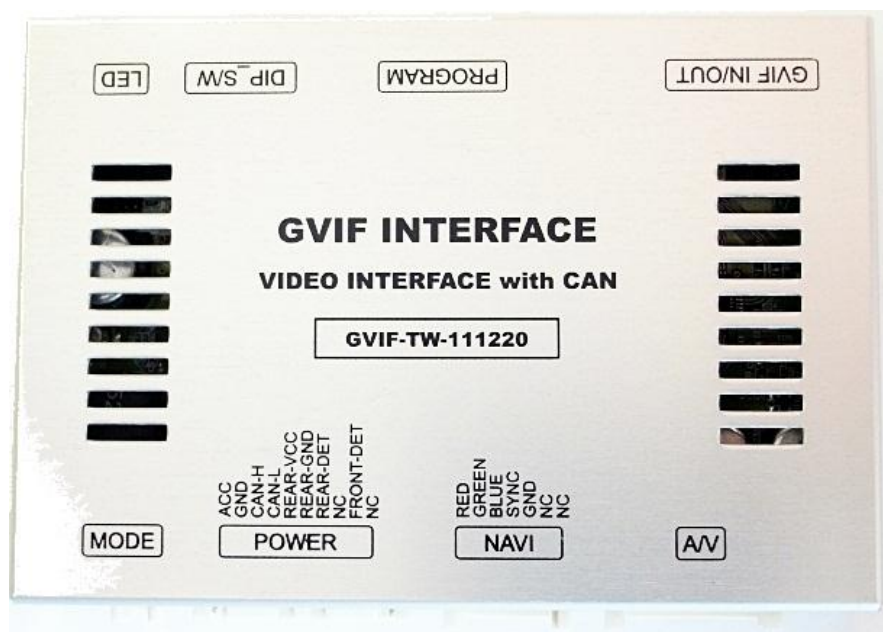- **Consumption Power : 12Watt, Max**

4. Switch Input mode
- **Possible to select CAR model while switching mode by DIP S/W**
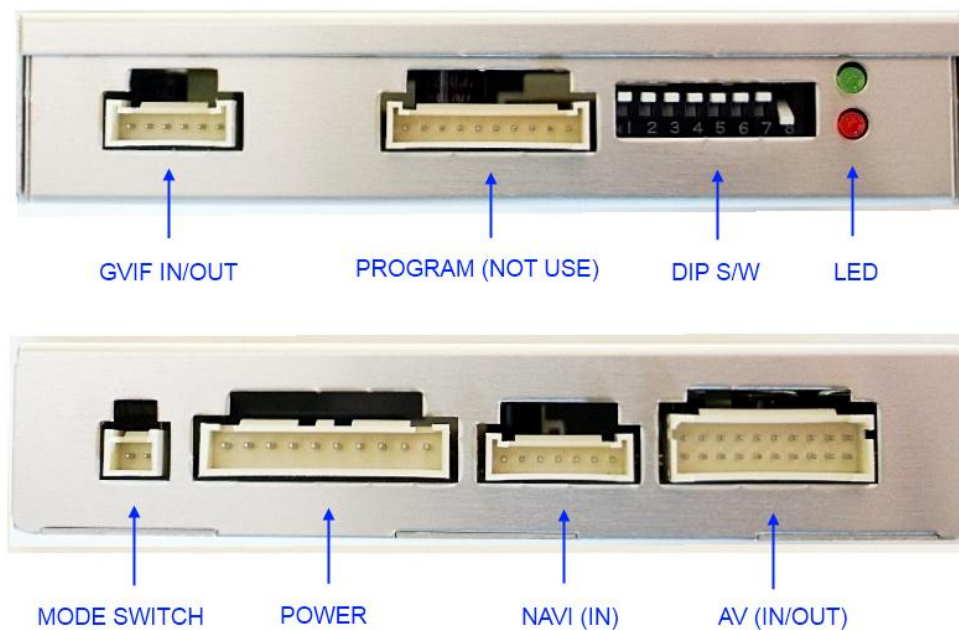- **By button on the Commander in the car via CAN**
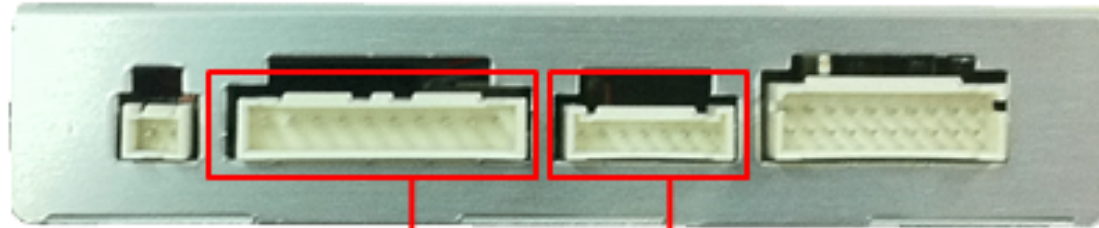
About Interface

- Dimension

106mm * 73mm * 22mm

* This can change under manufacturer's circumstance

- External Appearance

GVIF IN/OUT   PROGRAM (NOT USE)   DIP S/W   LED

MODE SWITCH   POWER   NAVI (IN)   AV (IN/OUT)
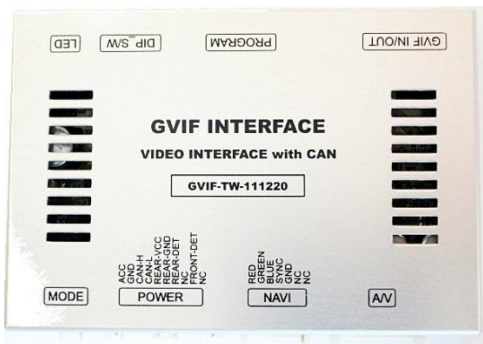
Connector Pin Assignment

*POWER Connect

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① ACC (Red)
② GND (Black)
③ CAN-H (Orange)
④ CAN-L (Green)
⑤ REAR VCC (Red)
⑥ REAR GND (Black)
⑦ REAR-CAM DETECT (Brown)
⑧ FRONT GND (Black)
⑨ FRONT-CAM DETECT (Blue)
⑩ FRONT VCC (Red)

*NAVI Connect

① ② ③ ④ ⑤ ⑥ ⑦

① R DATA (Red)
② G DATA (Green)
③ B DATA (Blue)
④ SYNC (White)
⑤ GND (Black)
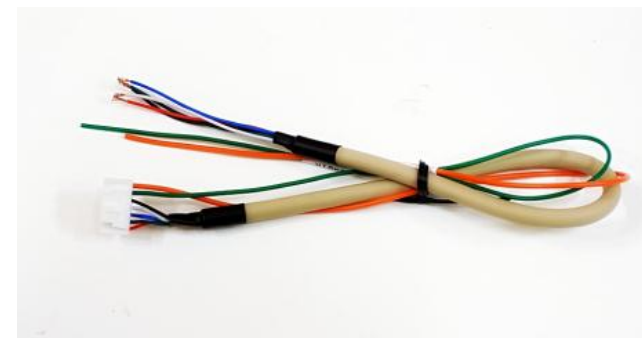⑥ DMB IR (Green)
⑦ DVD IR (Orange)

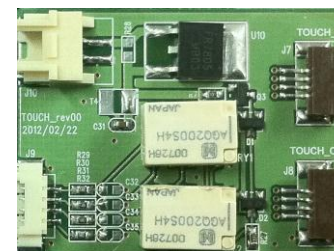# Product Composition

Interface Board 1 EA

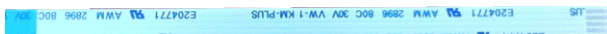**Power Cable 1 EA**

RGB Navi Cable 1 EA

GVIF IN/OUT Cable 1 EA


Touch Cable 1 EA

Touch Board 1 EA

FPC Cable 1 EA

A/V Cable 1 EA

DIP S/W Setting

※ ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : Skipping RGB Mode OFF : RGB Display
2	CVBS1 MUTE	ON : Skipping CVBS1 OFF : CVBS1 Display
3	CVBS2 MUTE	ON : Skipping CVBS2 OFF : CVBS2 Display
4	N.C	
5	CAR TYPE	ON :LEXUS OFF :LANDROVER
6	N.C	
7	REAR Mode	ON : OEM REAR CAMERA OFF : External REAR CAMERA
8	CAR TYPE	ON : INFINITI OFF : MALIBU

DIP S/W Example

INFINITI
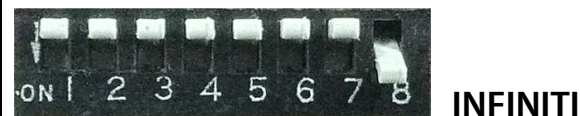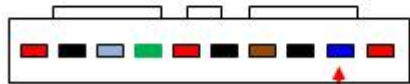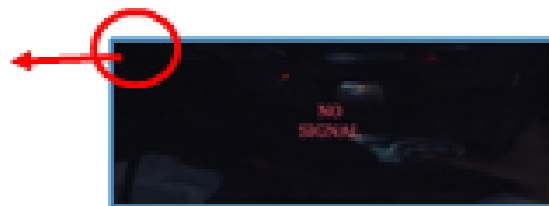
Front Camera

+12V, Work on.   **Cannot work on "Rear camera" mode**
                        Work on "OEM, NAVI, AV1, AV2" mode

"Front"   appears for 3 sec
When in change mode.

I-Drive Control

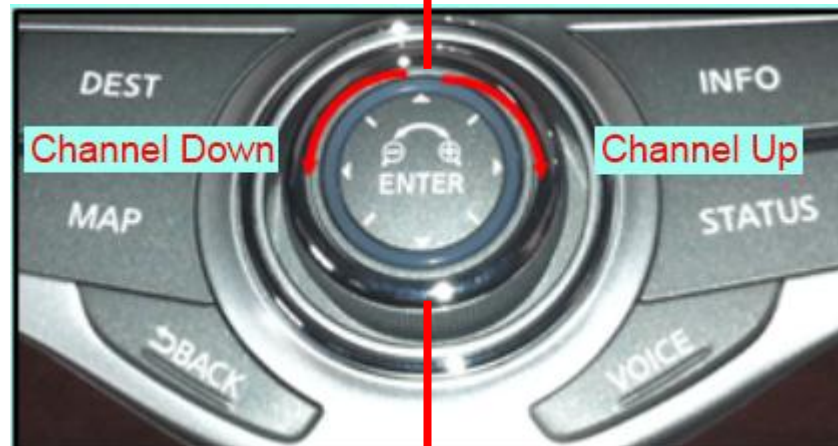➔ **Mode Change**

Push Long :

OEM → NAVI → AV1 → AV2

Back to OEM screen

I-Drive Control

➔**DTV Mode**
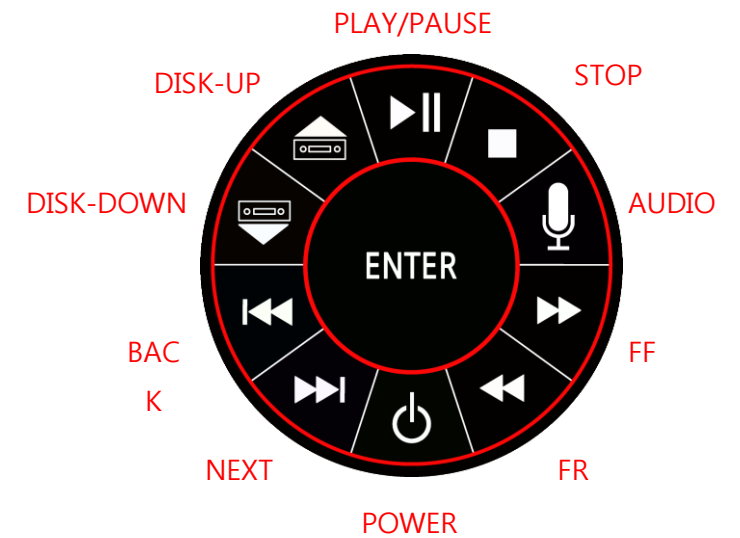
Up Button push long : Power

Down Button push long : Scan

I-Drive Control
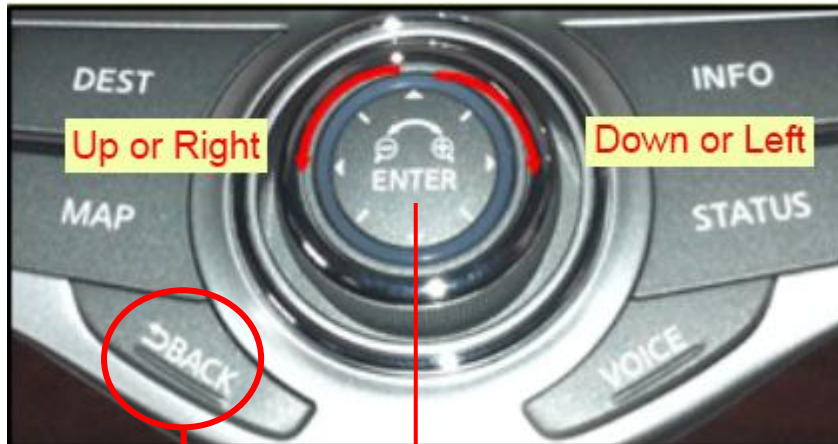
➔ **DVD Mode**

Enter

OSD Menu

▶ **Control I-Drive : OSD Mode**

Up or Right

Down or Left

OK or Enter

Short Key : Return or Exit

Long Key(5 Second) : OSD On

OSD Menu

▶ **OSD Setting – Config Mode**

- **NAVI(GPS) - RGB : Model Select**
  - ① **Default**
  - ② **GI-4000**
  - ③ **GI-8000**
  - ④ **PANASONIC**
  - ⑤ **KD-900**
  - ⑥ **PURENAVI8**
  - ⑦ **SINGAPURA**
- **NAVI – AV : Model Select**
  - ① **Default**
- **DVD : Model Select**
  - ① **EliteXtrem. ELT-980XU SLIM**
  - ② **SANYO**
  - ③ **LCKT**
  - ④ **NECVOX (DVA-3206)**
  - ⑤ **AMPIRE (DVX-101)**

- **DTB-T : Model Select**
  - ① **EliteXtrem. ELT-DVBT20**
  - ② **NETWORK. NET-770**
  - ③ **MEDIALIFE**
  - ④ **PANASONIC**
  - ⑤ **PIONEER**
  - ⑥ **GEX-700DV**
  - ⑦ **PORTUGAL**
- **BlackBox : Default**
- **RearCam : Default**
- **FrontCam : Default**
- **Reset :**
  - ① **Excute**
  - ② **Cancle**

OSD Menu

▶ **OSD Setting – Option Mode**

- **Safe Mode :** Default

- **RearCam – RcvOpt**

  ① On : Show Frontcam 25sec after rear mode.

  ② Off: Default

- **Reset**

  ① Excute

  ② Cancle

- **RearCam – Type**

  ① OEM: Original Rear camera

  ② ExtDevice : Use aftermarket Rear camera

- **RearCam – Power**

  ① ON : Rear camera get +12V consistently

  ② AUTO: Rear camera get +12V when reverse gear on.

  ③ OFF: Shut out the power supply.

- **FrontCam – Type**

  ① OEM: Original Front camera

  ② ExtDevice : Use aftermarket Front camera

- **FrontCam – Power**

  ① ON : Front camera get +12V consistently

  ② AUTO: Front camera get +12V when reverse gear on.

  ③ OFF: Shut out the power supply.

OSD Menu

▶ **OSD Setting – Image Mode**

- Brightness

- Contrast

- Saturation

- Hue

- Sharpness

- Color – RED

- Color – Green

- Color – Blue

- Reset
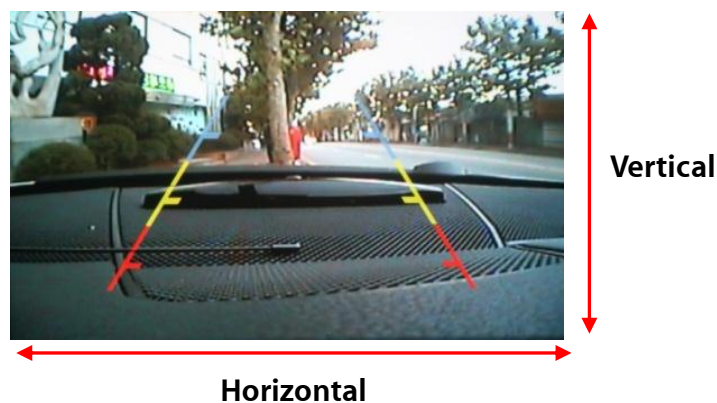
  ① Excute

  ② Cancle

▶ **OSD Setting – Screen Mode**

- Horizontal

- Vertical

- Scaler X Up

- Scaler X Down

- Scaler Y Up

- Scaler Y Down

OSD Menu

▶ **OSD Setting – Parking Mode**

- **Display : Parking line display On/Off**
- **Horizontal : Parking line move Left/Right**
- **Vertical : Parking line move Up/Down**
- **TP : Parking line clarity**
- **AutoPower : Parking line ACC control**

Vertical

Horizontal

On: Rear camera get a power supply when reverse gear on.
But, Depend on camera Spec. sometimes noise image happen.
Off: Rear camera get a power supply continuous.

 Connect to back-light wire.

 Connect to rear camera Acc and GND.

OSD Menu

▶ **OSD Setting – Utility Mode**

- **Reset All : Initialization**
- **Info: Software version.**

FAQ

1. **If Interface has a problem, Please check LED.**
- **After acc turn on, If Interface does not have a problem;** GREEN **LED is blinking every 1 sec.**
- RED **LED is turn on (not blinking), Interface has a problem.**
- RED **LED is not turning on, there is no input device.**
- RED **LED and** GREEN **LED both are not turn on, check to power cable.**

2. **When monitor changed to Orange color.**
- **LVDS cable contact problem or cable problem.**

3. **When DTV or DVD mode, cannot control with I-Drive**
- **Check IR cable, and DTV or DVD device's ground cable and Interface ground cable join together with using extra cable.**
- **Check device in OSD menu**