

INFINITI GVIF INTERFACE



Specification

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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

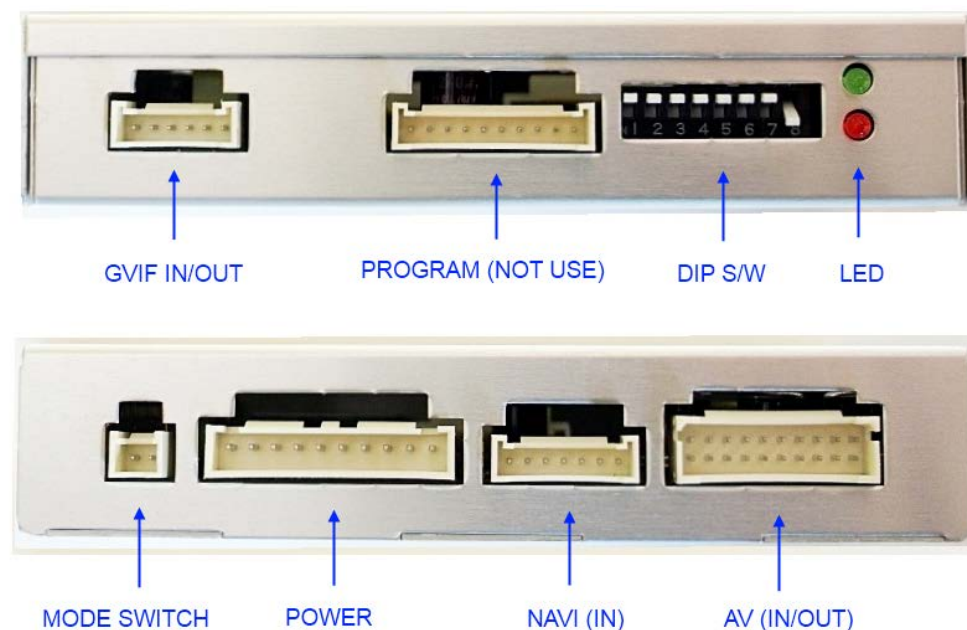
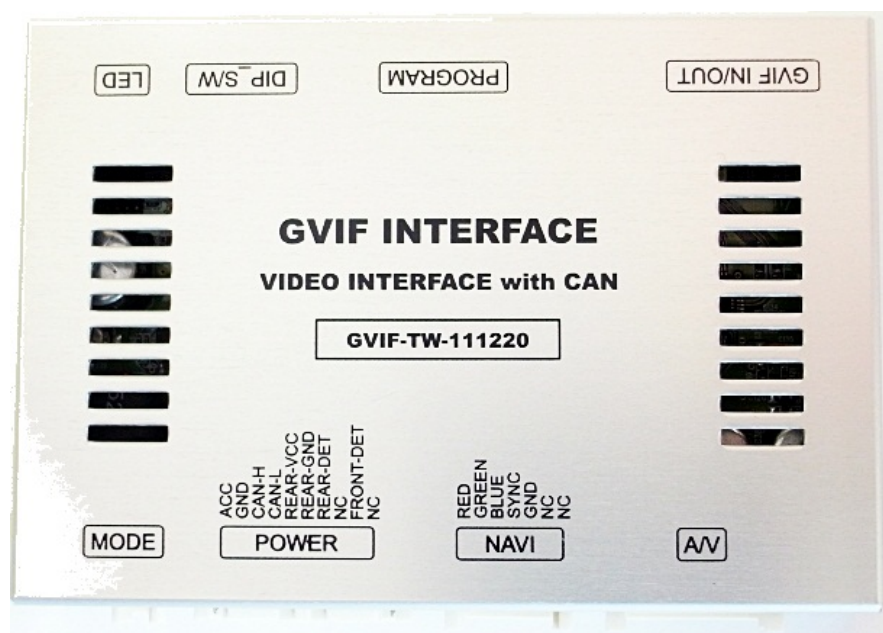
- Possible to select CAR model while switching mode by DIP S/W
- By button on the Commander in the car via CAN

About Interface

- Dimension

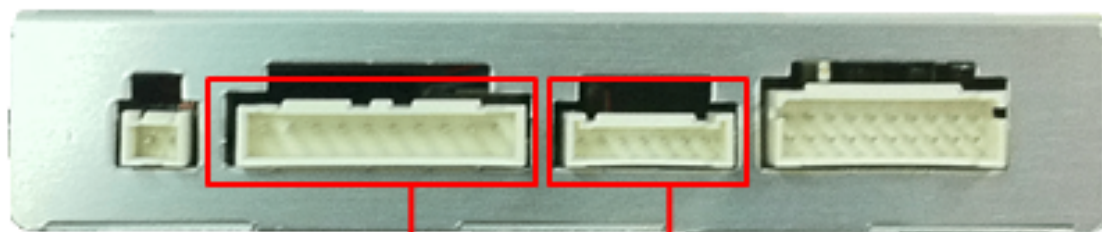
106mm * 73mm * 22mm

- External Appearance



* This can change under manufacturer's circumstance

Connector Pin Assignment



*POWER Connect



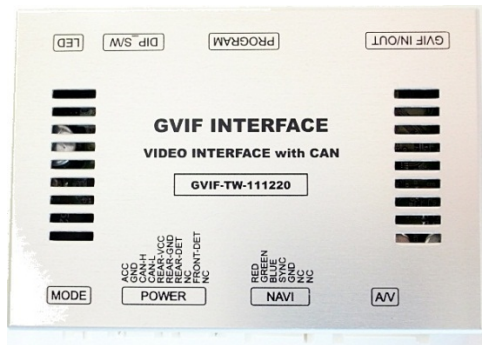
- ① ACC (Red)
- ② GND (Black)
- ③ CAN-H (Orange)
- ④ CAN-L (Green)
- ⑤ REAR VCC (Red)
- ⑥ REAR GND (Black)
- ⑦ REAR-CAM DETECT (Brown)
- ⑧ FRONT GND (Black)
- ⑨ FRONT-CAM DETECT (Blue)
- ⑩ FRONT VCC (Red)

*NAVI Connect



- ① 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)

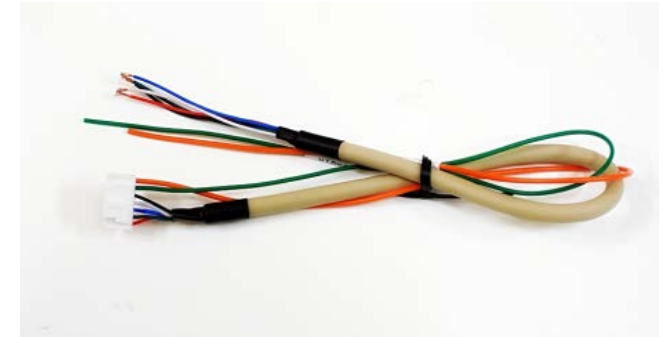
Product Composition



Interface Board 1 EA



Power Cable 1 EA



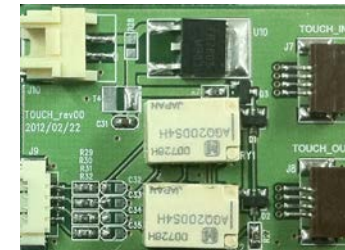
RGB Navi Cable 1 EA



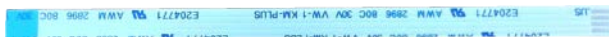
GVIF IN/OUT Cable 1 EA



Touch Cable 1 EA



Touch Board 1 EA



DIP S/W Setting

※ ON : DOWN , OFF : UP

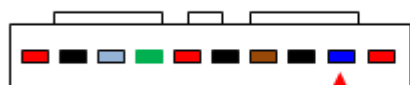
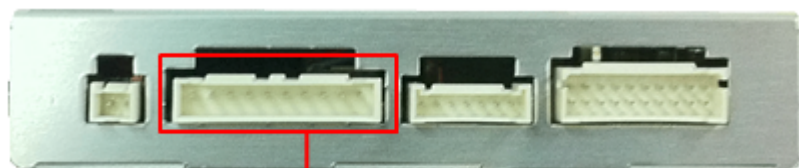
PIN	FUNCTION	DIP S/W Selection
1	RGB INPUT MUTE	ON : Skipping RGB Mode OFF : RGB Display
2	CVBS1 MUTE	ON : Skipping CVBS1 OFF : CVBS1 Display
3	CVBS2 MUTE	ON : Skipping CVBS2 OFF : CVBS2 Display
4	N.C	
5	CAR TYPE	ON :LEXUS OFF :LANDROVER
6	N.C	
7	REAR Mode	ON : OEM REAR CAMERA OFF : External REAR CAMERA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

DIP S/W Example



INFINITI

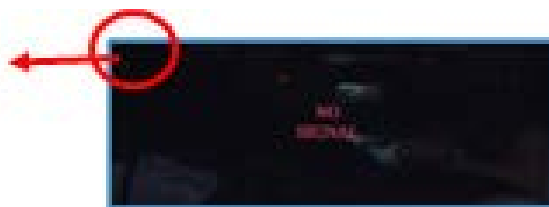
Front Camera



+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

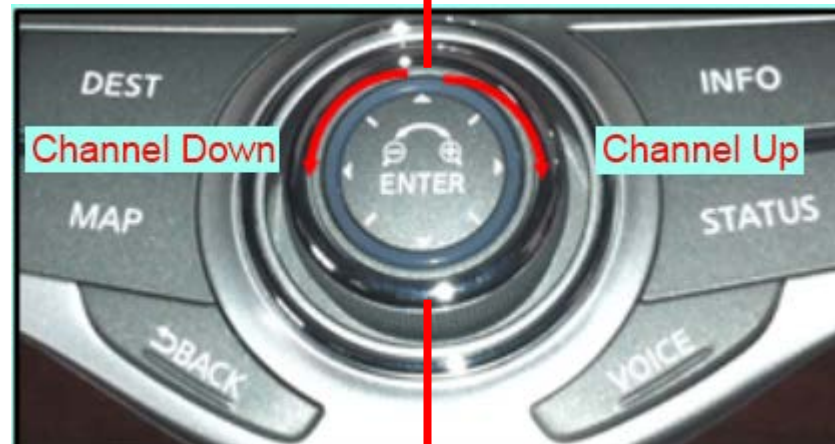
Push Long :



I-Drive Control

→ DTV Mode

Up Button push long : Power



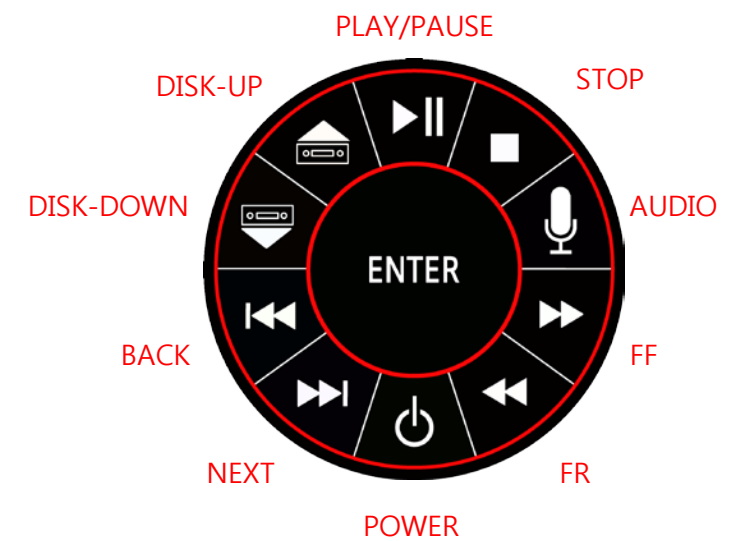
Down Button push long : Scan

I-Drive Control

→ DVD Mode

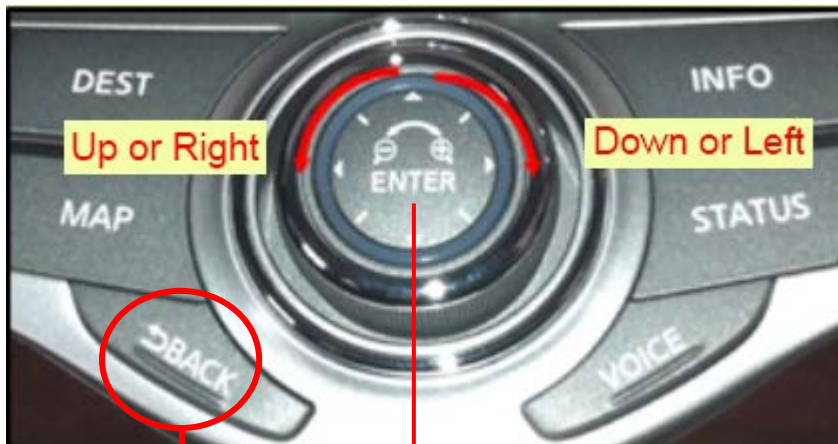


Enter



OSD Menu

► Control I-Drive : OSD Mode



OK or Enter

Short Key : Return or Exit

Long Key(5 Second) : OSD On

OSD Menu

► OSD Setting – Config Mode

MENU	Config	NAVI
Config	NAVI-RGB	Default
Option	NAVI-AV	Default
Image	DVD	ELT-980XU Slim
Screen	DVB-T(DMB)	ELT-DVBT20
Parking	BlackBox	Default

- NAVI(GPS) - RGB : Model Select

- ① Default
- ② GI-4000
- ③ GI-8000
- ④ PANASONIC
- ⑤ BGT-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 Cancele

OSD Menu

► OSD Setting – Option Mode

MENU	Option	NAVI
Config	RearCam-Type	ExtDevice
Option	RearCam-Power	Off
Image	FrontCam-Type	ExtDevice
Screen	FrontCam-Power	Off
Parking	Safe Mode	Off

- Safe Mode : Default

- RearCam – RcvOpt

- ① On : Show Frontcam 25sec after rear mode.
- ② Off: Default

- Reset

- ① Excute
- ② Cancele

- 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

MENU	Image	NAVI
Config	Brightness	50
Option	Contrast	50
Image	Saturation	50
Screen	Hue	50
Parking	Sharpness	25

- Brightness
- Contrast
- Saturation
- Hue
- Sharpness
- Color – RED
- Color – Green
- Color – Blue
- Reset
 - ① Excute
 - ② Cancele

► OSD Setting – Screen Mode

MENU	Screen	NAVI
Config	Horizontal	50
Option	Vertical	50
Image	Scale X Up	50
Screen	Scale X Down	50
Parking	Scale Y Up	50

- Horizontal
- Vertical
- Scaler X Up
- Scaler X Down
- Scaler Y Up
- Scaler Y Down

OSD Menu

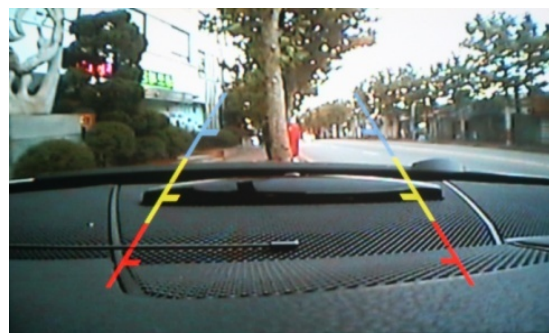
► OSD Setting – Parking Mode

MENU	Parking	REAR
Image	Display	On
OSD	Horizontal	50
Parking	Vertical	50
Config	TP	40
Utility	AutoPower	Off

- 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

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.



Vertical

Horizontal



Connect to back-light wire.

Connect to rear camera Acc and GND.

Specification

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OSD Menu

► OSD Setting – Utility Mode

MENU	Utility	NAVI
Image	Reset All	Execute Cancel
OSD	Info	System Version = 01.01
Parking		
Config		
Utility		

- 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

