

Benz 2015 PAS



NTG 5.0 / 5.1

Spec

1. Input Spec. (MULTI VIDEO INTERFACE)

- 1 x Analog RGB Input (Navigation System output)
- 1 x CVBS(REAR CAMERA) Input. (Rear camera source)
- 1 x CVBS(FRONT CAMERA) Input. (Front camera source)
- 1 x LVDS Input. (Car Command System)

2. Output Spec.

- 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

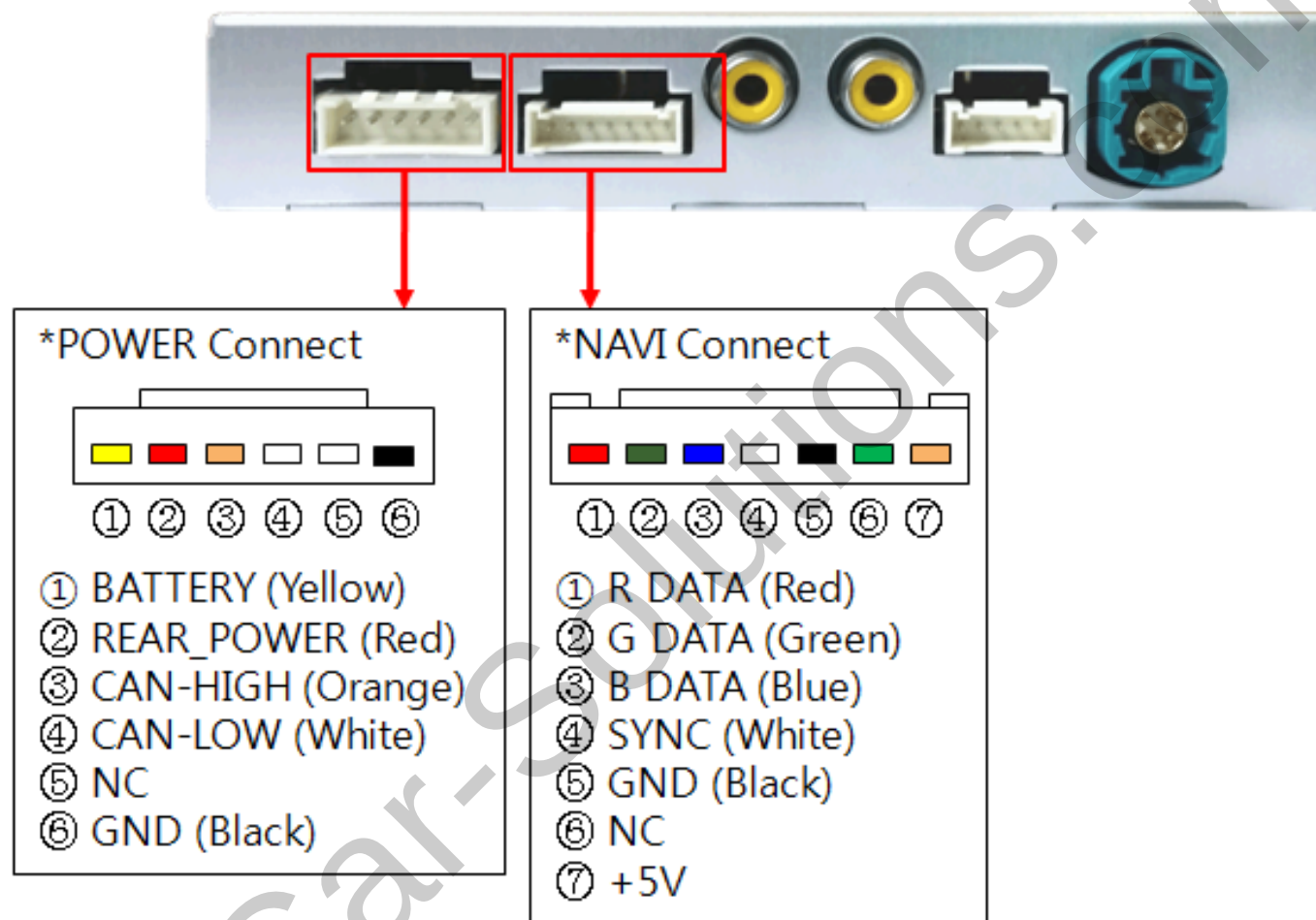
- Dimension / External Appearance

116mm * 83mm * 21mm

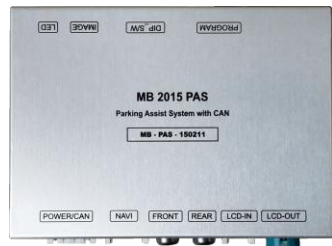


* This can change under manufacturer's circumstance

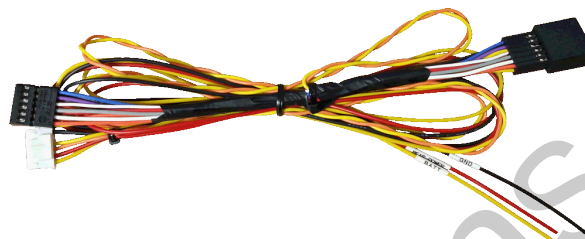
Connector Pin Assignment



Product Composition



Interface Board 1 EA



Power Cable 1 EA



Navi Cable 1 EA



LVDS OUT Cable 1 EA



OSD Board 1 EA

DIP S/W Setting

※ ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection
1	NAVI	ON : Not Use OFF : Use
2	VIDEO MODE	ON : Not Use OFF : Use
3	N.C	
4	HDMI	ON : Not Use OFF : Use
5	REAR Operation	ON : External camera OFF : OEM
6	CAR TYPE SELLECTION	Check Right photo
7		
8		

DIP S/W Example



C-Class 8.4"



CLS 8.4"



C-Class 7"



B / CLA 7"



S-Class 12"

DIP S/W Setting

Dip S/W 6 on/off by Center Fascia

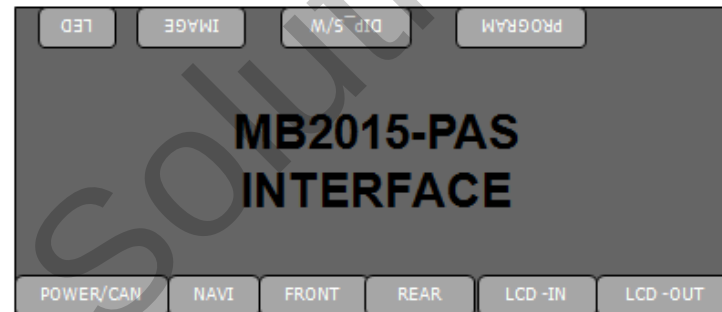


DIP S/W Setting (NAVI)

Mode change (Dip S/W 1)

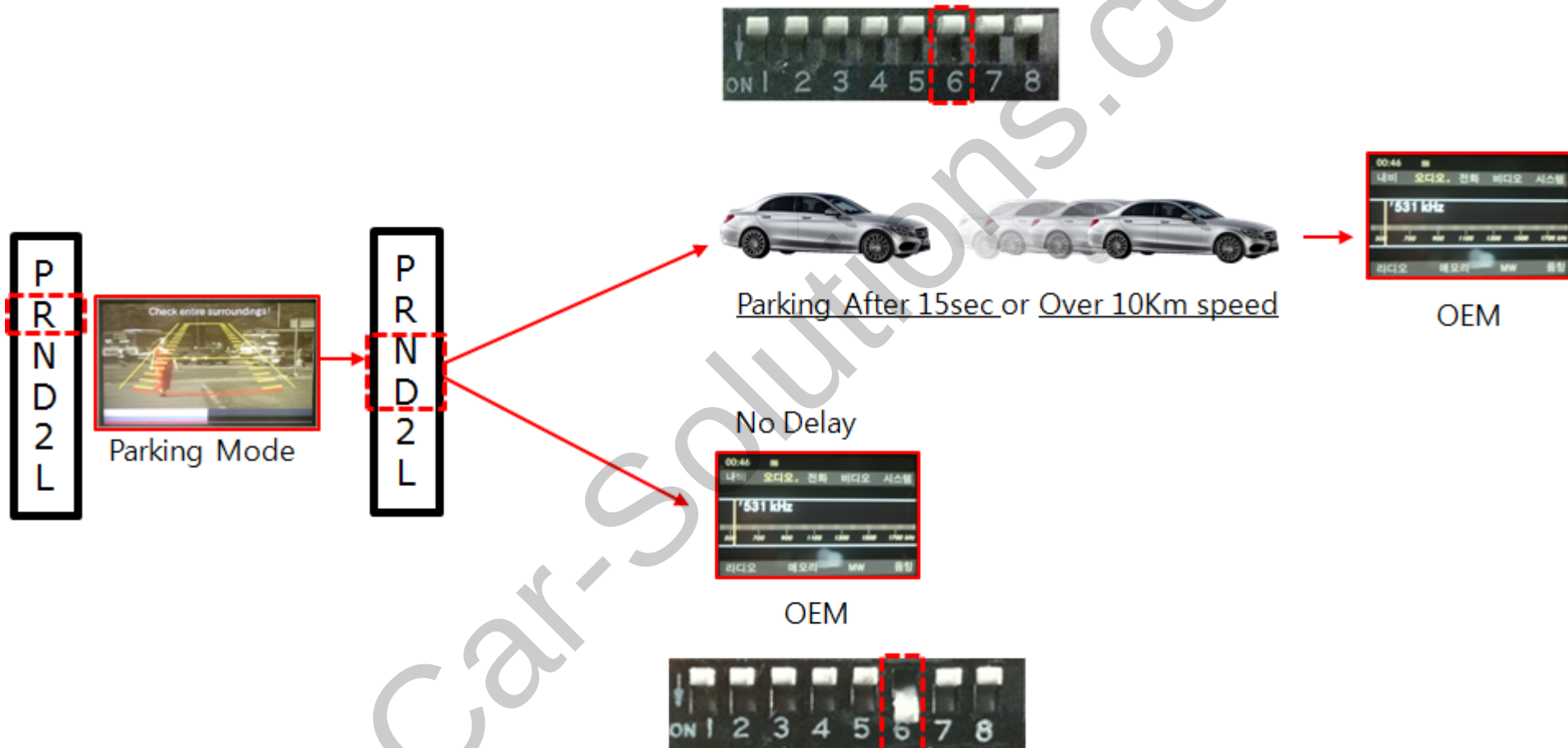


Mode change



DIP S/W Setting

P -> D time setting (Dip S/W 6)



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 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 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 - Parking line On/Off

- OSD Setting – Parking Mode *It must enter OSD parking menu on **Parking Mode**

MENU	Parking		REAR
Config	OPS Display	On	
Option	Line Display	On	
Image	Horizontal		50
Screen	Vertical		50
Parking	Space		0

MENU	Parking		REAR
Config	OPS Display	On	
Option	Line Display	On	
Image	Horizontal		50
Screen	Vertical		50
Parking	Space		0

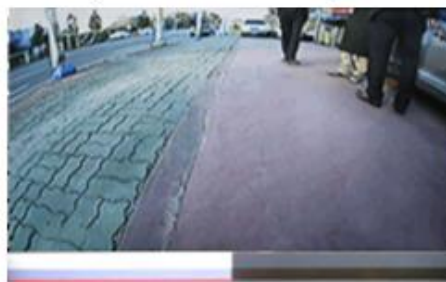
MENU	Parking		REAR
Config	OPS Display	On	Off
Option	Line Display	On	
Image	Horizontal		50
Screen	Vertical		50
Parking	Space		0

MENU	Parking		REAR
Config	OPS Display	On	Off
Option	Line Display	On	
Image	Horizontal		50
Screen	Vertical		50
Parking	Space		0

Parking line ON



Parking line OFF



OSD Menu - Parking Sensor On/Off

- OSD Setting – Parking Mode *It must enter OSD parking menu on **Parking Mode**

MENU	Parking	REAR
Config	OPS Display	On
Option	Line Display	On
Image	Horizontal	50
Screen	Vertical	50
Parking	Space	0



MENU	Parking	REAR
Config	OPS Display	On
Option	Line Display	On
Image	Horizontal	50
Screen	Vertical	50
Parking	Space	0



MENU	Parking	REAR
Config	OPS Display	On Off
Option	Line Display	On
Image	Horizontal	50
Screen	Vertical	50
Parking	Space	0



MENU	Parking	REAR
Config	OPS Display	On Off
Option	Line Display	On
Image	Horizontal	50
Screen	Vertical	50
Parking	Space	0

OPS ON

OPS OFF



* There is no Parking sensor display (OPS Image) on without parking sensor car

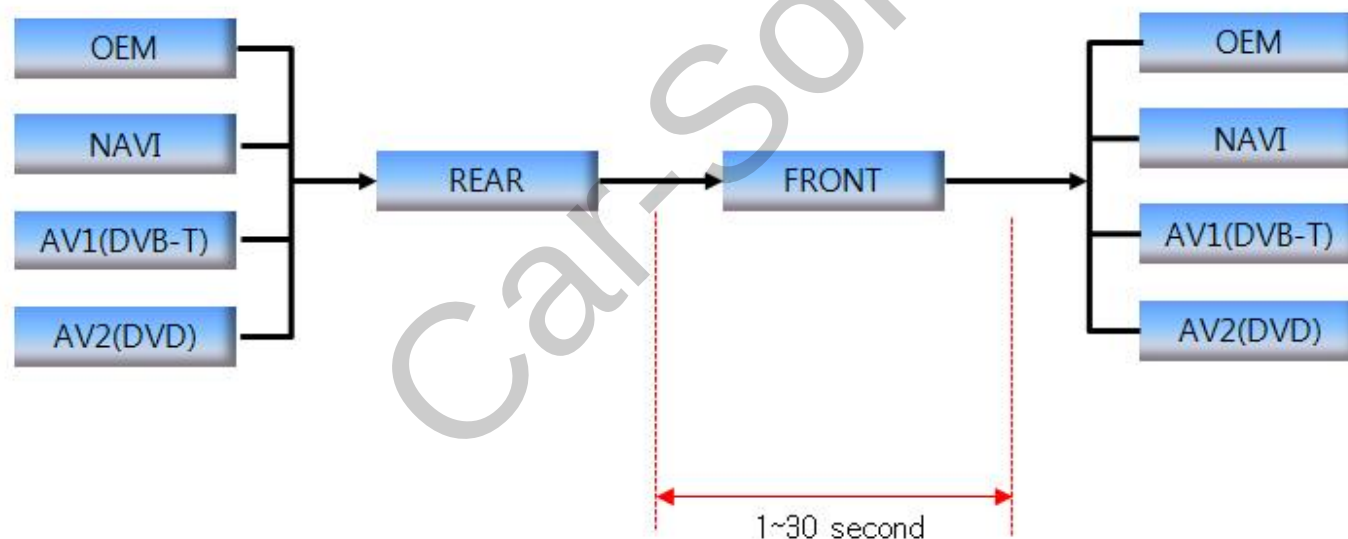
OSD Menu - Front camera Auto mode

► OSD control- Front Camera Auto Mode

- Option -> RearCam-RcvOpt -> 0 second = RearCam-RcvOpt menu OFF
1~30 second = RearCam-RcvOpt menu ON & time control

MENU	Option / RearCam-RcvOpt	REAR
Config	FrontCam-Det	ExtWire
Option	RearCam-RcvOpt	0s
Image	AV Out	USER
Screen	Reset	Execute Cancel
Parking		

MENU	Option / RearCam-RcvOpt	REAR
Config	FrontCam-Det	ExtWire
Option	RearCam-RcvOpt	30s
Image	AV Out	USER
Screen	Reset	Execute Cancel
Parking		



OSD Menu

► OSD Setting – Utility Mode

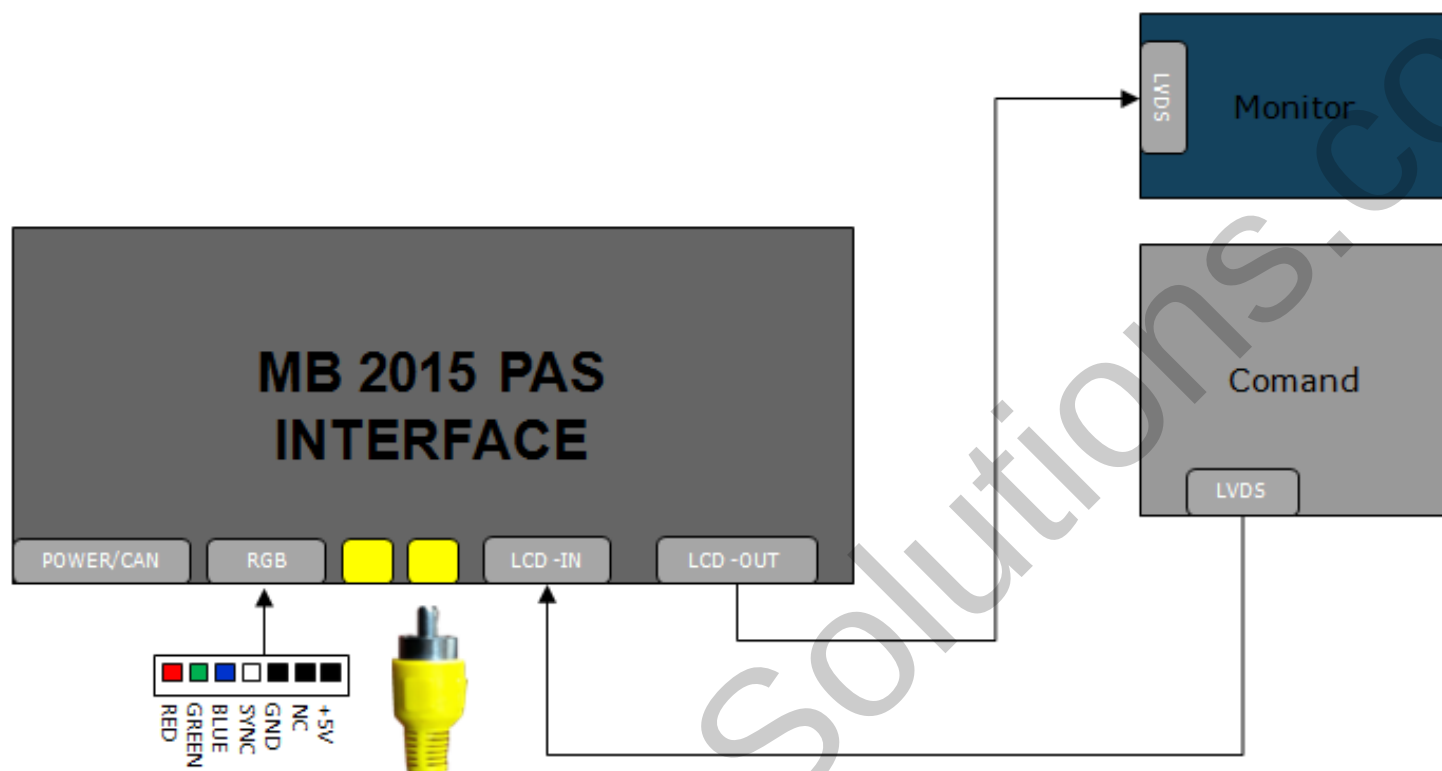
MENU	Utility / Factory Reset	REAR
OSD	Factory Reset	Execute Cancel
Utility	Version	BEPP06SGX-130950

- Reset All : Reset
- Info : FW version

Last Source : BEPP06SGX-130950

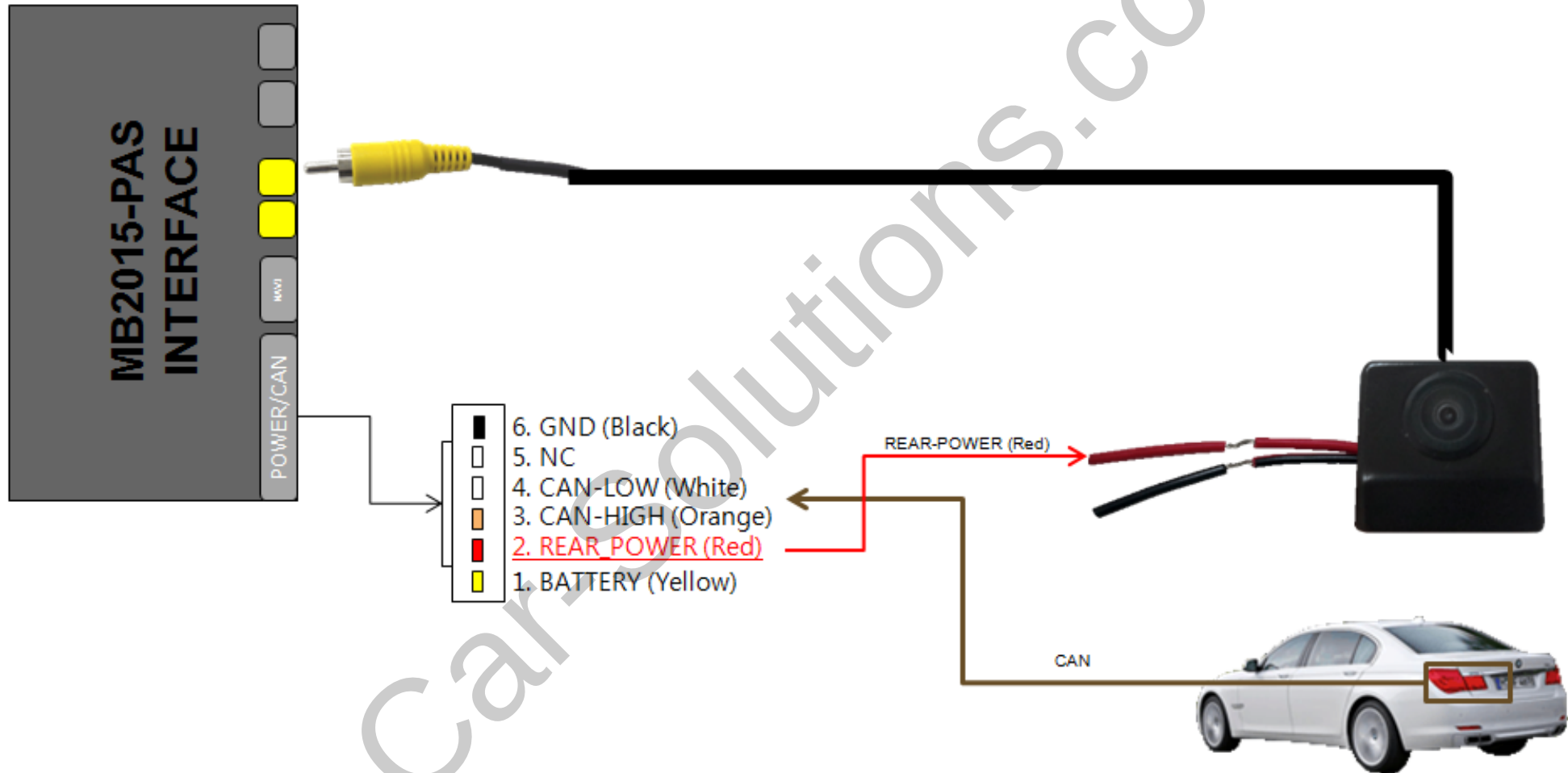


Installation Diagram

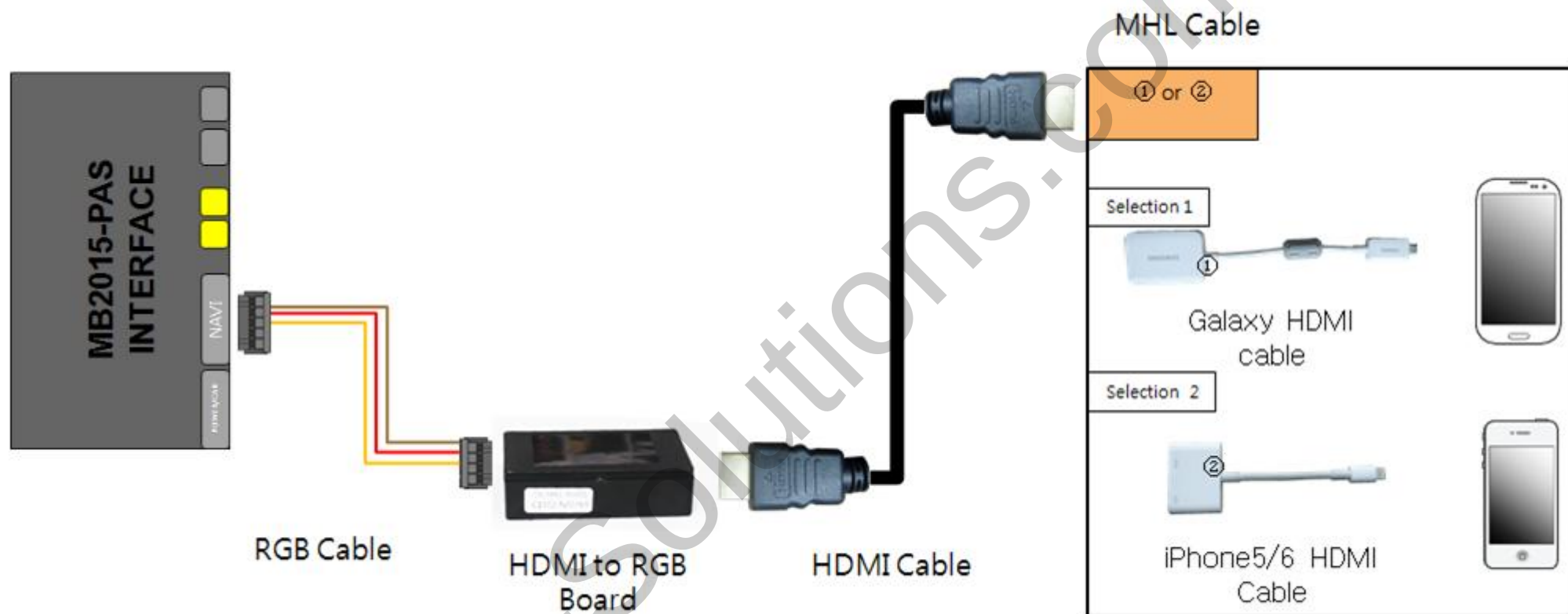


Installation External Rear camera connection

► OSD Screen selection Wire / CAN



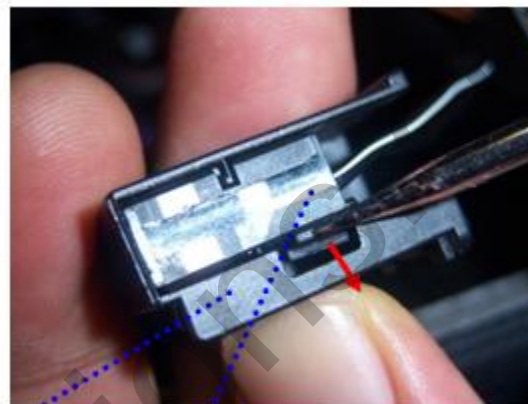
Installation 'HDMI to RGB' device



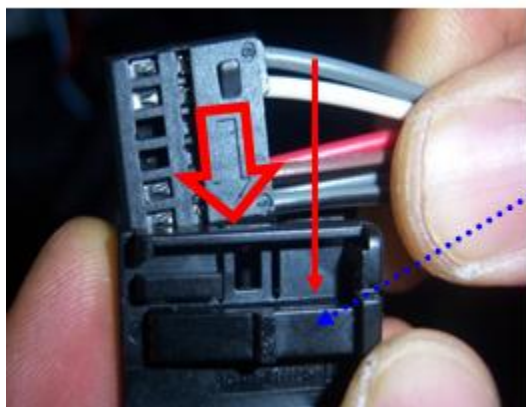
Installation 'CAN Connection'



Pull out
original black
connector



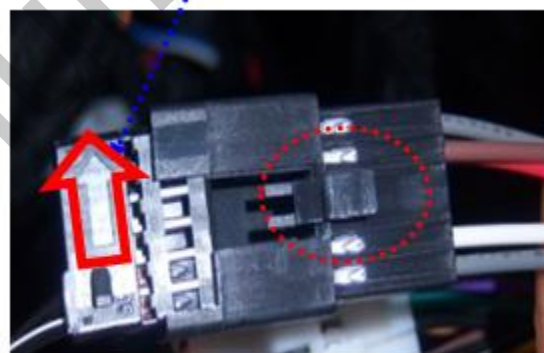
Pull out
connector



Plug to our
connector.



※ Arrow Direction



Plug to our
connector