# Chrysler-CIP-2014-D

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## 1. Main Spec.

- 1. Input Spec. (MULTI VIDEO INTERFACE)
  - 1 x Digital RGB Input (Navigation System source)
  - 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)
- 2. Output Spec.
  - 1 x Resistive Analog Touch (Navigation System source)
  - 1 x LVDS 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



# 2. Block Diagram



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### 3. Dimension

#### 156mm \* 83mm \* 22mm



\* This can change under manufacturer's circumstance



## 4. External Appearance





## 4. External Appearance







### 5. Connector Pin Assignment





1234



# 6. Product Composition





# 7. DIP S/W Setting

#### \* ON : DOWN , OFF : UP

PIN	FUNCTION	DIP S/W Selection
1	NAVI	ON : Not Used OFF : Used
2	N.C	
3	N.C	
4	N.C	
5	N.C	
6	N.C	
7		Dight Disture
8	CAK TYPE SEL	RIGHT PICTURE

#### \* DIP S/W Example



Grand Cherokee (WK) / 2016year 300C



Cherokee (KL)



DODGE RAM 2014



DODGE RAM 2015



## 8. Mode Change



mode change : 1ms press

MENU	Option / Steering Wheel REAR		
Config	FrontCam-Det	ExtWire	
Option	AV Out	AV1	
Image	Back Button	On	
Screen	Steering Wheel	On	Off
Parking	Reset	Execute	Cancel



### 8. Mode Change



mode change : 0.7ms press

MENU	Option / Back	Button	REAR
Config	FrontCam-Det	ExtWire	
Option	AV Out	AV1	
Image	Back Button	On	Off
Screen	Steering Wheel	On	
Parking	Reset	Execute	Cancel



#### OSD control



MENU	Press to display when there is no OSD screen. When OSD screen is on, press it to EXIT or OFF.
SEL	Item Selection, Value Selection
UP	Item up Increase selected value
DOWN	Item down Decrease selected value

Mode State

MENU	Option		NAVI
Config	RearCam-Type	ExtDevice	
Option	RearCam-Power	Áuto	
Image	RearCam-Det	GEAR	
Screen	AV Mode	Off	
Parking	FrontCam-Type	ExtDevice	
First Menu	Second Menu	Third M	enu



#### **OSD Config**

First Menu	Second Menu	Third Menu	Description
Config	NAVI-RGB	DIGTAL-INAVI :	Setting the Connected NAVI Model
	Reset	Execute	Reset to default value of Config menu

MENU	NAVI	-RGB	NAVI
Config	NAVI-RGB	GI 5000_1	<b>IVGA</b>
<b>Option</b> Image Screen Parking	Reset	Execute	Cancel



#### **OSD - Option Menu**

First Menu	Second Menu	Third Menu	Description
		OEM	Original Camera
	RearCam-Type	ExtDevice	Equipped with external camera
		ON	+ 12V continuous supply
	RearCam-Power	AUTO	+ 12V supply only in Rear camera mode
		OFF	+ 12V off
	Description Date	GEAR	Detected by CAN
	RearCam-Det	WIRE	Detected by Rear-Det Wire
	AV Mode	ON	Use "REAR" video input port as VIDOE input.
		OFF	Do not use features.
	E LO T	OEM	Original Camera
	FrontCam-Type	ExtDevice	Equipped with external camera
•	FrontCam-Power	ON	+ 12V continuous supply
Option		AUTO	+ 12V supply only in Front camera mode
		OFF	+ 12V off
	FrontCam-Det	GEAR	Detected by CAN
		WIRE	Detected by Front-Det Wire
	FrontCam-RcvOpt	ON	After RearCam shows FrontCam and returns to previous state
		OFF	Disable feature
	Back Button	ON	Switching screen by using "BACK" button
		OFF	Disable feature
	SteeringWheel Btn	ON	Switching screen by using Steering wheel button
		OFF	Do not use features.
	Reset	Execute	Option Menu all Reset



#### OSD Option -> FrontCam-RcvOpt

#### Front Camera Auto Mode

- 0 second = FrontCam-RcvOpt menu OFF
- 1~30 second = FrontCam-RcvOpt menu ON & time control

MENU	FrontCam-Rev	vOpt NAVI	MENU	FrontCam-Rev	VOpt NAV	VI
Config	FrontCam-Power	Auto	Config	FrontCam-Power	Auto	
Option	FrontCam-Det	ExtWire	Option	FrontCam-Det	ExtWire	
Inlage	FrontCam-RcvOpt	Os	Image	FrontCam-RcvOpt	3	80s
Screen	Steering Wheel	Voice	Screen	Steering Wheel	Voice	
Parking	Reset	Execute Cancel	Parking	Reset	Execute Canc	cel





Front Camera Manual Mode





#### NAVI-RGB menu

First Menu	Second Menu	Third Menu	Action
	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
1	Color-RED		Adjust the value of RED
image	Color-GREEN		Adjust the value of GREEN
	Color-BLUE		Adjust the value of BLUE
	Reset	Excute	Option Menu all Reset

#### DVD,DVB-T(DMB),NAVI-AV,REAR,FRONT menu

First Menu	Second Menu	Third Menu	Action
	Brightness		Adjust the value of brightness
	Contrast		Adjust the value of contrast
	Saturation		Adjust the value of Saturation
Image	Hue		Adjust the value of Hue
	Sharpness		Adjust the value of Sharpness
	Reset	Excute	Option Menu all Reset



<< Brightness >>





<< Contrast >>





<< Saturation >>





#### OSD – Screen Menu

First Menu	Second Menu	Third Menu	Description
	Horizontal		Output screen horizontal movement
	Vertical		Output screen vertical movement
	Scale X Up		Reduce / increase output
Screen	Scale X Down		screen width
	Scale Y Up		Reduce / Increase Output
	Scale Y Down		Screen Height
	Reset		Screen menu all reset

MENU	Horizontal NAVI	
Config	Horizontal	50
Option	Vertical	50
Image	Scale X Up	50
Screen	Scale X Down	50
Parking	Scale Y Up	<b>50</b>



#### OSD – Parking Menu

First Menu	Second Menu	Third Menu	Description
	Line Display	ON	Show Parking lines(Not moving).
		OFF	Do not show parking lines
		ON	Please do not use it.
		OFF	Do not show OPS
Parking	Warnings Lang		Set warning text language
	Horizontal		Moving a parking line horizontally
	Vertical		Moving a parking line vertically
	Transparency		Parking line transparency
	Reset		Parking menu all reset

MENU	Parking / Line	Display	REAR
Config	Line Display	On	Off
Option	PDC Display	On	
Image	Grid Type	Split	
Screen	Warnings Lang	English	
Parking	Horizontal	-	50



OSD Parking – Change warning language

MENU	Parking / Warnings Lang		
Config	OPS Display	English	
Option	Line Display 中文		
Image	Warnings Lang . 한국어		
Screen	Horizontal 台灣		
Parking	Vertical Россия		





OSD Parking – Adjust position of parking guide line

MENU	Parking	REAR
Config	OPS Display	Off
Option	Line Display	On
Image	Warnings Lang	English
Screen	Horizontal	50
Parking	Vertical	50

Possible to adjust the position of parking guide line by Keypad in Horizontal / Vertical menu % Pressing this Horizontal / Vertical menu, The OSD screen automatically disappears. Please adjust from the parking line Screen.







#### OSD – OSD Menu

First Menu	Second Menu	Third Menu	Description
	Horizontal	value	OSD Menu Horizontal Shift
	Vertical	value	OSD menu vertical Shift
	Display Time	value	OSD Menu Display Time (in seconds)
030	Transparency	value	OSD menu transparency
	Language		OSD menu display language
	Reset	Execute	Initialize OSD settings

MENU	Horizonta	l DVB-T
OSD	Horizontal	50
IR-Ctrl	Vertical	50
Utility	Display Time	10s
	Transparency	30
	Language	English
MENU	Reset	DVB-T
MENU OS D	Reset Reset	DVB-T Execute Cancel
MENU <mark>OSD</mark> IR-Ctrl	Reset Reset	DVB-T Execute Cancel
MENU OSD IR-Ctrl Utility	Reset Reset	DVB-T Execute Cancel
MENU OSD IR-Ctrl Utility	Reset	DVB-T Execute Cancel



#### OSD – Utility Menu

First Menu	Second Menu	Third Menu	Description
	Factory Reset	Execute	Initialize all settings
Utility	Version		FDSYOOKRX-180209 (Check for future upgrades)

#### Last Source : FDSYOOKRX-180209



MENU	Utility	NAVI
OSD IR-Ctrl Utility	Factory Reset Version	Execute Cancel FDSYOOKRX-180209



#### 1. Installation Navigation Connection





#### 2. Installation External Front Camera Connection





#### 3. Installation External Reverse(Rear) Camera Connection





#### 4. Installation CarPlay - KPLAY



#### 5. Installation CarPlay – NV17



6. Installation





#### 6. Installation





#### 6. Installation





# 12. Q & A

#### FAQ

- 1. Not possible to switch mode
  - Check connection of OSD Key pad wire
  - Check CAN connection
- 2. Display wrong size of picture
  - Check Dip s/w setting
- 3. Display black screen in OEM mode
  - Check connection of LVDS/LCD cable
- 4. Not possible to switch to rear screen
  - Check the packing setting (OSD Menu option RearCam-Det)

#### Caution

- 1. The device must not be installed in where it interferes driving (close to brake pedal, steering wheel, airbag etc.)
- 2. LVDS cable must be connected correctly according to the manual
- 3. Insulate the end of wire by using electrical tape
- 4. The installation should be done by expert
- 5. GU electronic does not take any responsibility for any problem caused by wrong installation
- 6. How to distinguish between CIP model and CTP model.





CTP system : ex) CHRYSLER 300C 2011~2015 DODGE Journey 2011~ FIAT Freemont 2013~ Maserati Quattroporte 2014~2016 Maserati Ghibli 2014~2016



CIP system : ex) 2014 JEEP Grand Cherokee

