

# INSTALLATION MANUAL HDMI INTERFACE FOR NEW LEXUS MODEL: QHI-LVTX-5CH-ES300H



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# **·SPECIFICATION**

- 1. Compatible vehicles: LEXUS 2013~
- 2. Product configuration:

Interface 1EA Sub board 1EA

3. Interface Input / Output Specifications

Input: HDMI 2EA Analog RGB 1EA A/V 2EA CVBS(Rear camera) 1EA CVBS(Front Camera) 1EA UCD 1EA

- 4. Power Specifications
  Input power: 8VDC ~ 18VDC
  Power consumption: 5WATT
- 5. Mode switching function

Control each external video input with DIP switch Switch mode with remote control, button switch, OEM button

Detect rear camera with CAN or rear lamp wire



- 1. High-resolution display through HDMI input
- 2. Control EXT devices(DVD/DTV) via Multi Media Touch GUI
- 3. Adjustable screen position of external device
- 4. Improved Screen Display(user-oriented interface)
- 5. Mode switching with OEM button
- 6. Power output for rear camera drive
- 7. Dynamic PAS parking assistance system)
- 8. Convenient parking environment with PAS and PDC



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# ·COMPONENTS\_IS/RC

#### 2017~ (IS 10") 2017~ (RC 10")



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# •DIP SWITCH SETTING

↓									
ON	1	2	3	4	5	6	7	8	

**\*\* ON : DOWN / OFF : UP** 

PIN	FUNCTION	DIP S/W SELECT
1	RGB	OFF : RGB MODE ON : RGB MODE SKIP
2	HDMI1	OFF : HDMI1 MODE ON : HDMI1 MODE SKIP
3	AV1	OFF : AV1 MODE ON : AV1 MODE SKIP
4	AV2	OFF : AV2 MODE ON : AV2 MODE SKIP
5	CAR MODEL SELECT	ON : NX200T OFF : Others
6	CAR MODEL SELECT	ON : RX200T(12 inch monitor) OFF : Others
7	REAR CAMERA SELECT	OFF : OEM REAR CAMERA MODE ON : EXT REAR CAMERA MODE
8		N/C

\* Please make sure to disconnect the power cable of the interface and reconnect the power cable again to apply the dip switch setting whenever changing DIP switch.

# •REMOTE CONTROL SETTING



Кеу	FUNCTION		
POWER & PIP	N/C		
MENU	Activating OSD menu		
ОК	Making a selection, changing image display		
<b>A</b>	Moving upward		
	Moving downward		
Got	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)		

# FACTORY SETTING

Menu of	Menu of FACTORY		
IMAGE PARK UTIL INFO	H-POS V-POS H-SIZE	ITION ITION (NAVI)	
MENU to	Return	SEL to Select/Save	

### Adjust the screen position of the current mode.

H-POSITION: Moves the screen left and right.V-POSITION: Moves the screen up and down.H-SIZE (NAVI): Adjust the size of the left and right navigation

Menu of FACTORY			
IMAGE	PAS TYPE		
PARK	PAS SETUP		
UTIL1	REAR TYPE		
UTIL2	SAFE ENABLE		
INFO	RADAR ENABLE		
MENU to	MENU to Return SEL to Select/Save		

Change the settings of the rear camera.

**PAS TYPE :** Select parking line type.

- NOT USED: Do not use parking line
- PAS ON: Use Flexible Parking Lines
- PAS OFF: Use fixed parking line
- PAS SETUP : You can move the position of parking line.

**REAR TYPE :** Choose rear camera recognition.

- CAN : By connecting to "CAN" cable of the car gear, changing to rear camera mode when shifting into reverse. (Connect "CAN" cable of the power cable to the "CAN" cable of the car gear.)

- LAMP : By connecting to the rear lamp of the car, switch to rear camera mode when shifting into rear. (Connect "Rear-C" cable of the power cable to the rear lamp of the car.)

**SAFE ENABLE :** If it is enable, HDMI, RGB, and A/V mode doesn't show up while driving. (Default : OFF)

**RADAR ENABLE :** Set the parking distance alarm sensor to ON/OFF.



Menu of FACTORY		
IMAGE	NAVI MODEL	
PARK	CAR MODEL	
UTIL1	AVOUT SELECT	
UTIL2	HDMI SKIP	
INFO	FACTORY RESET	
MENU to Return SEL to Select/Save		

Navigation & Car model setting

#### NAVI MODEL:

RGB Navigation Setting (Default, Q-roi RGB, WP9230, HDMI(WVGA))

#### HDMI MODEL:

HDMI Navigation Setting (Q-roi RGB, WP9320, HDMI, PAPAGO)

#### CAR MODEL:

Car Model Setting (IS250, GX460, NX300H, RX270, LX570, ES300H)

#### **AVOUT SELECT:**

Select audio channel transmitted through AUX (HDMI1, HDMI2, AV)

#### HDMI SKIP:

Skipping HDMI mode when switching modes

#### FACTORY RESET:

Factory mode reset



Menu of FACTORY		
IMAGE PARK UTIL1 UTIL2 INFO	I-DRV REMOTE TOUCH ENABLE OEM KEY IR MEMORY CALIBRATE FCAM TIME	
MENU to Return SEL to Select/Save		

#### Other options setting

#### I-DRV REMOTE:

Select the model to control the DVD and DTV device through the remote control image that appears on the screen

TOUCH ENABLE:

Select touch method No, 4PIN

XWC3941

XWC1784

XWC2131

OEM KEY:

Select handle DISP KEY ON/OFF

IR MEMORY: Register remote memory of DTV, DVD

CALIBRATE:

F-CAM TIME:

Able to calibrate touch screen Front camera operation time adjustment:

OFF, 3s, 5s, 10s, 15s, 20s

# •OEM BUTTON USE (CAN CONNECTION)

#### **\* Handle button**





℁ DISP button −

Short press : Back to OEM Long press : Mode switch

\*\*NOTICE: If use the DISP button, the instrument panel trip information switched as well. (Enable / Disable DIPS button - FACTORY  $\rightarrow$  UTIL2  $\rightarrow$  OEM KEY)

•OEM BUTTON USE (ADC CONNECTION)

### **\* Handle button**





\* End call button -

Short press: Back to OEM Long press: Mode switch



# **•LCD CABLE CONNECTION**



① Disconnect OEM LCD cable from the monitor and connect to supplied "LCD-IN" cable.

② Connect supplied "LCD-OUT" cable to the monitor.

# •ADC CABLE CONNECTION

1. Below cars need ADC wire connection. Please connect provided ADC IN-2 wire to the red cable(21 pin) of OEM cable for the use of ADC.

2013~2017 (ES 7"/8") 2013~2017 (NX 7") 2013~2018 (IS 7") 2015~ (CT 7") 2017~ (RX 8")



2. Below two CAN JACK BY JACK has included ADC cable, wire connection not needed.



NEW LX NAVI J BY J HARETC0279

# **•JACK BY JACK CABLE CONNECTION**



### **•IN CASE EXTERNAL IMAGE FLICKERING**



In case of flickering external image, please follow as below:

1. Please find the OEM cable and cut the blue cable (PIN #2)

2. Instead, below cars need to cut pink cable (PIN #6) 2018~ (ES 8") 2018~ (LS 8") 2018~ (NX 8") 2018~ (UX 8")

**\***The color of the cable can be different.

# **•TROUBLE SHOOTING**

### Q. I cannot change mode

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

### Q. All I got on the screen is 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. Press ► button on the remote control for 2 seconds and check how it goes, 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.

### Q. If no image is shown on screen after connecting CAN wire with Park gear.

A. Go on the "FACTORY MODE", check "UTIL-Rear Select". If "LAMP", change the setting as "CAN" with the remote control. (\* when connecting Rear-C wire of LAMP power cable to Backup lights, Setting should be like this / CAN : if controlling rear camera with CAN wire)