

Ford SYNC4 Camera Video interface
Art. 300390
Version: JAN 2024 (AHD compatible)

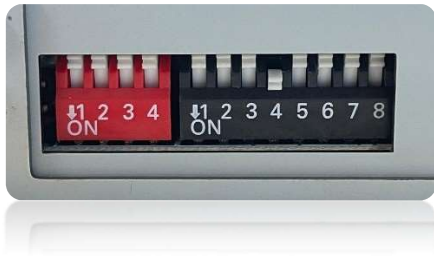


Compatibility: Ford Sync4 systems with **12** and **13.2 inch** touchscreen

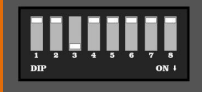
Product Application:

- Add reverse camera (CVBS / AHD – PAL/NTSC/720P/1080P)
- Dynamic Guidelines and Mix OEM PDC*
- Add front camera
- Add video inputs, like DVD etc.


Dip settings:



DIP-8 Settings:

<div style="display: flex; justify-content: space-between; align-items: center;"> DIP Down=ON DIP UP=OFF  </div>			
DIP	ON	OFF	Default
1	V1 (Right) = ON	V1 (Right) = OFF	UP(OFF)
2	V2 (Left) = ON	V2 (Left) = OFF	UP(OFF)
3	Front cam enabled (show front cam 10s after reverse)	Front cam disabled	UP(OFF)
4	Aftermarket REAR camera	OEM rear camera	DOWN (ON)
5	Not used	Not used	UP(OFF)
6	Not used	Not used	UP(OFF)
7	Dynamic Guidelines ON (depending on CAN protocol)	Guidelines off	UP(OFF)
8	PDC icon ON	PDC icon off	UP(OFF)

DIP-4 Settings:

<div style="display: flex; justify-content: space-between; align-items: center;"> DIP Down= ON DIP UP= OFF  </div>			
DIP	FUNCTION		Default
Dip1	OFF = 13,2 inch	ON = 12 inch	UP (off)
Dip 2+3+4	Must be OFF		UP (off)

Video inputs:

- **Reverse CAM (V4):** insert video aftermarket Rear camera
- **Front CAM (V3):** insert video Front camera
- **Left CAM (V2):** insert video left camera or another video source
- **Right CAM (V1):** insert video right camera or another video source

Trigger wires:

- **Green** Trig-Rear*: insert +12V reverse light signal (power signal must be stable)
- **White** Trig-Front: insert +12V to activate the front camera (optional).

Front camera also switches in automatically after driving backwards, and also by short-press switch button (included).

- **Blue** Trig-Left: insert +12V to activate the video image of AV2
- **Blue/black** Trig-Right: +12V to activate the video image of AV1

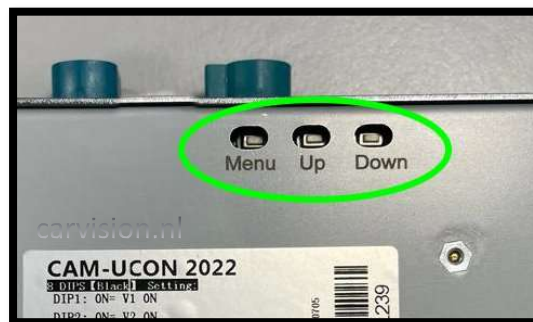
*Usually the reverse function is detected by CANbus and it's not needed to connect the green trigger wire to reverse.

Additional power wires:

- **Green CAM POWER 12V:** provides 12V to power the camera if reverse function works by CANbus.
- **Red ACC OUT:** provides 12V while ignition is on (when CANbus running)
- **Purple Manual ACC:** only use when interface is disconnected from CANbus.

MENU settings:

- Press MENU button to show the settings (in camera picture mode).
- Use UP and DOWN buttons to adjust a setting.
- Press MENU button repeatedly to go through the menu options.



OSD settings for each video channel (independent):

Menu of V4-REVERSE		carvision.nl
Brightness	57	
Contrast	50	
PosH	03	
PosV	15	
Trigger	wire	
InputSource	1080P NTSC	

- Brightness / Contrast: adjust image performance
- PosH / PosV: move the picture on the display to left, right, up, down
- **Trigger: choose between Wire or CANbus.**
Wire = use trigger wire to activate a video input
CAN = detect by CANbus (CANbus functionality cannot always be guaranteed)
- **InputSource: choose the right video system depends on your camera model**
(PAL, NTSC, 720P NTSC, 720P PAL, 960P NTSC, 960P PAL, 1080P NTSC, 1080P PAL)

Front cam additional function:

Select the desired delay-off time under *Trigger*: 5 sec, 10 sec, 15 sec, 20 sec.

Menu of V3-FRONT		carvision.nl
Brightness	50	
Contrast	50	
PosH	10	
PosV	15	
Trigger	15s after REV	
InputSource	960P NTSC	

InputSource examples:

