Connects2 Vision

CAM-VW11-AD

Camera Add-on Interface for select Volkswagen vehicles with MIB3 systems

www.c2vision-eu.com

ABOUT THIS PRODUCT...

CAM-VW11-AD

The CAM-VW11-AD is a camera add on interface that allows you to add an aftermarket camera whilst retaining the use of your factory head unit on various Volkswagen models with MIB3 (Composition Media, Discover Media, Discover Pro) systems. NTSC cameras only (see Applications for specific vehicles). This system is specifically designed to add an aftermarket camera to the OEM system, but can also be used to retain the vehicle's factory camera input. Following the simple installation process the camera image can be automatically viewed via reverse gear or manually through the vehicle's controls.

Note: Compatible with NTSC video sources only.

APPLICATION LIST

Volkswagen Passat 2019> Volkswagen Tiguan 2020>

Volkswagen Transporter (T6.1) 2019>

PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure you use the correct tools to avoid damage to the vehicle or product.

Connects2 can not be held responsible for the installation of this product.

TECHNICAL SUPPORT

Connects2 want to provide a fast and suitable resolution should you encounter any technical issues. With this in mind, when contacting Connects2, try to provide as much Information as possible. This will speed up the process and help us to help you.

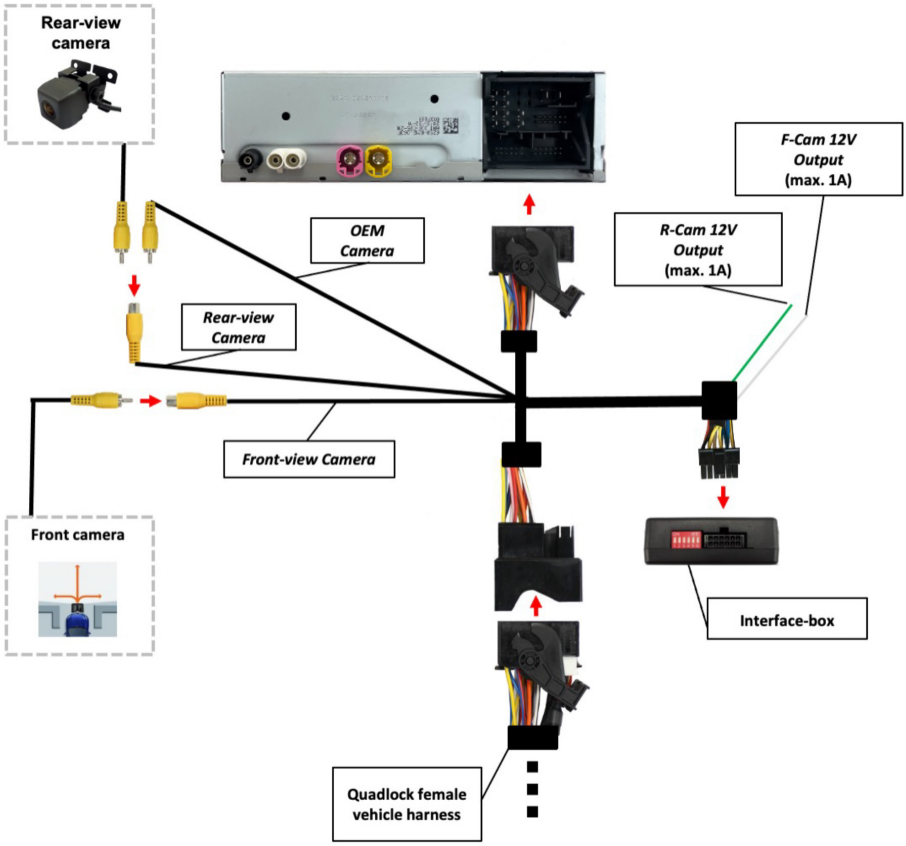
Please use our dedicated online technical support centre: *support.connects2.com*

Subscribe to our YouTube Channel for installation guides and tips... **www.youtube.com/connects2**

DISCLAIMER

The information provided in this document is subject to change without notice due to manufacturer changes and/or improvements to the product/s. This instruction manual is based on documented data and research. The manufacturer of this product cannot be held responsible for any changes made to the vehicle by the manufacturer or damages that may occur through the installation of this product in accordance with the steps outlined herein.

CONNECTION DIAGRAM

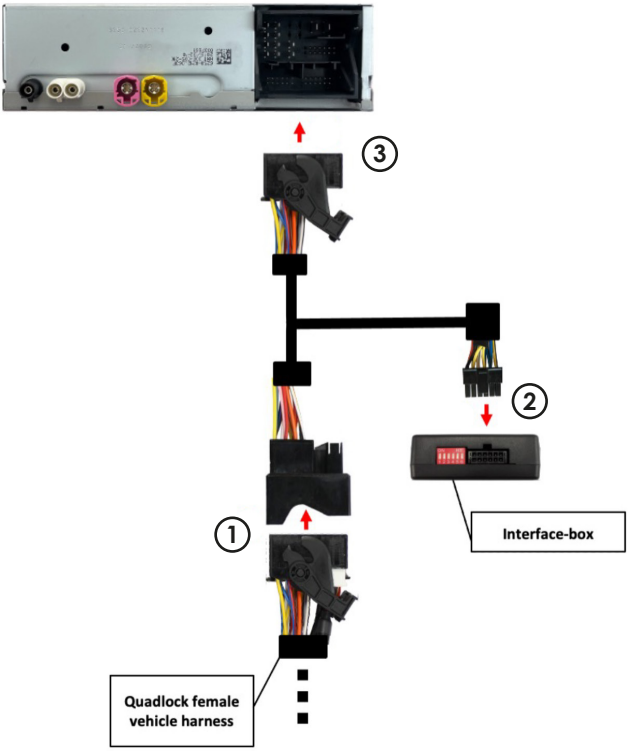


QUADLOCK PIN ASSIGNMENTS

In the connection harness for the CAM-VW11-AD, the following pin outs can be found:

Cable colour	Pin-No.	Assignment
Yellow	Pin 6	CAN-HIGH – connection to the head-unit
Blue	Pin 5	CAN-LOW – connection to the head-unit
Yellow/Black	Pin 12	CAN-HIGH – connection to the vehicle
Blue/Black	Pin 11	CAN-LOW – connection to the vehicle
Red	Pin 1	+12V permanent
Black	Pin 7	Ground
Green	Pin 2	+12V rear view camera output (max. 1A)
White	Pin 3	+12V front camera output (max. 1A)
Blue	Pin 4	No function
Yellow	Pin 8	Rear view camera video signal input
Yellow	Pin 10	Front camera video signal input
Transparent	Pin 9	Camera video signal output

Connecting Interface & Harnesses

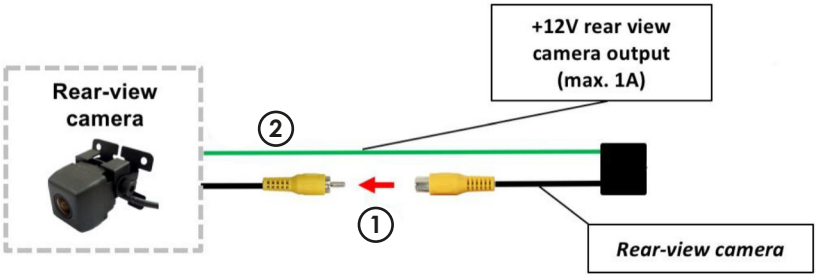


1. Remove the vehicles female quadlock connector and attach this into the provided harness that comes with the CAM-VW11-AD.

2. Connect the 12-pin molex connector to the interface box.

3. Once all of these connections are established (including any/all video input connections) connect the quadlock connector on the CAM-VW11-AD harness to the head unit.

Connecting Aftermarket Reverse Camera (& OEM)

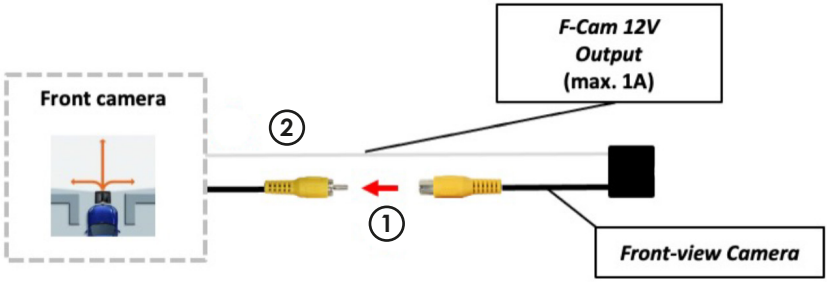


1. Connect the video RCA from the reverse camera to the RCA labelled "rear-view camera".

If OEM reverse camera is to be re-connected, connect the male RCA plug to the "rear-view camera" connector instead.

2. Connect the green wire to the camera's power supply. (+12V max 1A)

Connecting Aftermarket Front Camera



1. Connect the video RCA from the front camera to the RCA labelled "front-view camera".

2. Connect the white wire to the camera's power supply. (+12V max 1A)

SETTING DIPSWITCHES/CODING OF INTERFACE

The dipswitches of the CAM-VW11-AD allow the set up of the video outputs. The interface will come with the dipswitches defaulted in the following order:

DIPSWITCHES	ON	OFF
DIP 1	Interface coding setting	
DIP 2	Front camera activated	Front camera deactivated
DIP 3-5	No function (set to **OFF**)	
DIP 6	CAN-Bus termination (set to **ON**)	

In regards to dipswitches to allow the front camera to work, both 'DIP 2' and 'DIP 6' will need to be set to ON.

Coding of the reverse camera

It is necessary to code the reverse camera input of the vehicle for use with an aftermarket camera. If the vehicle has an OEM camera, do NOT follow this protocol. To code the vehicle:
1. Set 'DIP 1' to OFF.
2. Turn on the ignition.
3. Wait for the head unit to fully load.
4. Set 'DIP 1' to ON for approx. 3 seconds and then back to OFF (the CAN-box LED will flash red and the display will go out for a few seconds.
6. The red LED will be glowing signifying a successful coding process.

Decoding of the reverse camera

Alternatively, you can decode the reverse camera input of the vehicle also. If the vehicle has an OEM camera, do NOT follow this protocol. To decode the vehicle:
1. Set 'DIP 1' to OFF.
2. Turn on the ignition.
3. Wait for the head unit to fully load.
4. Set 'DIP 1' to ON for approx. 3 seconds and then back to OFF (the CAN-box LED will flash red and the display will go out for a few seconds.
6. Once the display reappears, this will signify a successful decoding process.

Note: after a successful coding/decoding, another coding is not possible until after 30 seconds.

LED Status Information

LED	Status	Explanation
Blue	Light	CAN-Bus communication OK
	Flashing (Quickly)	CAN-Bus communication error
Red	Light	Normal operation: Interface is on Coding mode: Reverse camera is coded
	Off	Normal operation: Interface is off Coding mode: Reverse camera is NOT coded
	Flashing (Slowly)	Coding process is running
	Flashing (Quickly)	Coding process was aborted with an error