

**General**

The NavInc interfaces allow for connecting audio/video sources to the original navigation system.



The interface ensures that an input is created on the original PCM navigation system, on which an external video source can be connected (e.g. DVD player, DVB-T TV, iPod, etc.). The images will be displayed on the navigation screen. The audio of the video sources will be played in stereo through the original audio system of the car.

The interface is equipped with an external connection:

- Video input; for the connection of a reversing camera.

Besides the interface creates analog signals through CAN-BUS. With this signals it is possible to control a reversing camera or the power supply of an external AV-source.

The following output signals will be available:

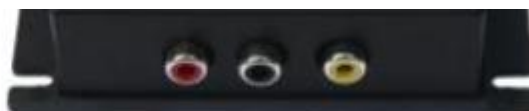
- +12V switched voltage (max 500mA)
- +12V reversing signal (max 1A)

**Features:**

- Audio/Video input
- Camera input
- PAL/NTSC support
- CAN-BUS output signals
- CE-approved
- Plug & Play cable kit
- Extension of double controls (DVD player + DVB-T) possible via steering wheel controls and radio unit.



Camera input via AMP  
connector



Audio / Video input

**The following is provided in the set:**

- NavInc AV-interface IF-PO-PCM3x
- Cable kit
- Installation- and user manual
- One year software warranty
- Warranty
- Invoice

#### Product specifications

Voltage: 12V DC

Voltage-operating capacity: 10,5 – 14,8V DC

Standby current: >7 mA

Operating current: 120 mA

Power input: 1,8W

Temperature range: - 30°C up to + 80°C

Weight: 95grs

Dimensions(W x H x D): 90 x 35 x 65mm

#### Additional information:

- Check at the tab “compatibility” on top of this page if your radio or navigation system is suitable for this product.
- Automatic activation of camera only possible on interface level.
- It is not possible to connect an original DVB-T TV tuner and an audio/video interface at the same time. The original DVB-T TV tuner must be removed.
- Image retention while driving possible with TV/DVD free module TF-PO-PCM30 or TF-PO-PCM31.

#### Optional:

De NavInc AV-interface can be extended with operating software which enables to control the connected DVD player or DVB-T tuner through the original steering wheel and radio controls. See INTERFACE – operating software:

[http://www.navinc.nl/webshop/interface-besturing-software-c-486\\_489.html](http://www.navinc.nl/webshop/interface-besturing-software-c-486_489.html)

#### Legal information:

The driver of the vehicle should not be inferred from the motion images. In many countries, watching movies while driving is prohibited. Therefore we accept no responsibility for material or personal injuries, directly or indirectly, due to installation of the interface modules.

#### Interface and Software basic information:

The NavInc interfaces are no navigation systems or screens to replace the navigation system. The NavInc interfaces enable the possibilities to connect different Audio/Video sources to the navigation system.

Manufacturers create adjusted software and hardware versions, options and enhancements which ensures that the compatibility of the products cannot be guaranteed 100%. Compatibility lists are based on customer feedback and experiences and will constantly be updated for optimal customer support.

The functioning of the interfaces may be influenced by software updates from the manufacturer/dealers. In such cases we will provide a software update for this interfaces (not applicable for all products) within one year after invoice date. The costs for (de)-installation of the interface must be paid by the customer and the interface must be supplied to us.

Car manufacturers create adjusted versions of software and updates without having informed third parties about it. We therefore recommend to not update the car if not necessary.

In exceptional cases it is possible that the interface is not accepted by the vehicle, even after replacing the interface or software updates. In such cases, we should looking for an alternative.

#### Compatible with the following Porsche models:

##### **Porsche**

911	2008-2011
911 Carrera	2011-201>
911 Carrera cabriolet	2012-201>
Boxster	2009-2012
Boxster	2012-201>
Cayenne E1	2008-2010
Cayenne E2	2010-201>
Cayman	2009-2013
Cayman	2013-201>
Macan	2014-201>
Panamera	2009-201>

\*Also tested with 2014 models

\*\*When OEM RSE installed (PCM3.1) also 5x CA-FAK-05 needed

\*\*\*With the latest PCM3.1 software it can be possible that the "Traffic announcement (TA)" must be in OFF position

#### Remarks:

- Only in combination with PCM3.0 & PCM3.1 navigation systems
- It is not possible to connect an original DVB-T TV tuner and an audio/video interface at the same time. The original DVB-T TV tuner must be removed.
- Automatic activation of camera is only possible on interface level.
- For the use of the camera input for aftermarket camera systems with cinch connection an optional extension cable must be ordered: CA-FA-02.
- Audio/Video sources must support PAL/NTSC video signals.
- Image retention while driving possible with TV/DVD free module TF-PO-PCM30 or TF-PO-PCM31.

#### PCM3.0 navigation system:



PCM3.1 navigation system:



Not suitable for the following models/systems:  
 - PCM2.1 navigation system