NTG5 Camera and Video Interface

Installation and user manual



Before installation, verify the vehicle, model year, factory system and product number.

Technical source: Shanghai Shenshun Industrial Co., Ltd.

The supplier states that validation used China-market vehicles. A shared platform or a different regional model name does not confirm fitment in another market.

Technical support | andy-lv@oadot.com

The source describes one reversing-video input and two other video inputs. It also mentions handwriting navigation and factory touchscreen control of navigation. Confirm which functions your hardware supports. See the input specifications for options.

1. Safety precautions

- Use only in 12 V vehicles with negative ground.

- Installation must be carried out by a professional. Do not disassemble or relocate the installed unit without authorization.

- This product is not waterproof. Protect it from water and moisture.

- For a product-quality fault or damage, promptly return the unit to the designated repair provider or dealer.

2. Product features

- One reversing input. The source describes DIP selection for the factory camera, an added camera with trajectory and radar display, or a 360 camera with wired switching.

- The factory BACK control switches added video. The DIP switches enable or disable video functions.

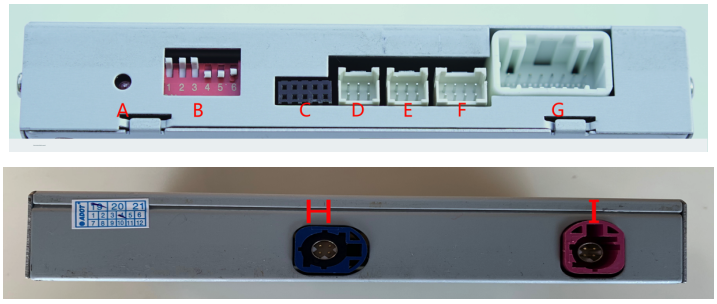
- Vehicle-specific plug-in connectors preserve the original wiring.

- Source fitment covers 2017 Mercedes-Benz C-Class with NTG5. Confirm the small- or large-screen DIP setting with OADOT.

3. Technical specifications

Parameter	Value
Operating / control voltage	DC 8-18 V
Power	3 W
Operating / storage temperature	-10 to 70 °C / -20 to 85 °C
Inputs	One standard reversing input, one auxiliary input with recorder power referenced, one optional front-video input
Weight stated in source	430 g
Dimensions stated in source	230 x 160 x 50 mm

4. Connector identification



A. LED | B. DIP switches | C. Update port | D. Recorder socket | E. Reserved socket | F. Front-camera socket. Connectors G-I continue on the next page.

G. Power socket (reversing-video and power harness). H. Blue LVDS socket, connected to the factory LVDS cable. I. Pink LVDS socket, connected to the pink plug of the interface cable.

Operation

The source gives no numbered DIP positions for screen size, camera mode, auxiliary inputs or front-camera enable. Confirm the settings with OADOT before changing any switch.

- Hold BACK on the factory controller for three seconds to cycle through the factory interface and added video.

- Connect the added camera to the yellow RCA reversing input. Reverse gear automatically selects the camera, with trajectory and radar display where supported. Power the camera from the reversing lamp. The interface needs no separate reversing-lamp trigger for this camera setup. For 360 equipment, use the confirmed DIP positions and the interface reversing-control lead.

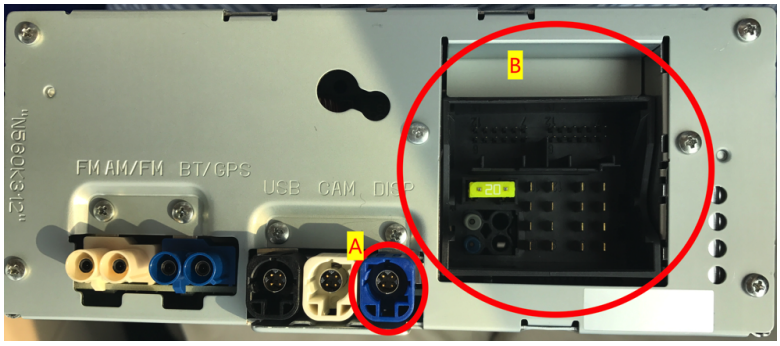
- Connect auxiliary video to the six-pin video socket. The source gives no letter for this socket. Confirm the port with OADOT. Hold BACK for three seconds to select the input. The source describes ACC 12 V and power outputs for a recorder. Insulate unused leads to avoid short circuits.

- If no front camera is fitted, use the confirmed DIP setting to disable it. Otherwise radar activation can display a blue screen with no camera image.

5. Installation and connection



Interface and matched harnesses. Small wire tags in the photo are too blurred to use for wiring.



Original head unit: large power connector B and blue LVDS connector A.

Use the matched adapters at B and A for power and video. Hold BACK to switch added functions. Reverse selects the reversing image automatically with trajectory and radar display where supported.

6. Basic troubleshooting

- Trajectory graphics but no camera image: check the camera cable and camera operation.

- Holding BACK does not switch the display: check the DIP settings and confirm there is a video input signal. The source says switching is unavailable without an input signal.

- Blue screen in Drive: check the camera power and signal connections.

- If the issue persists, contact OADOT or your dealer.

7. Kit contents

No.	Component	Part number
1	Integrated interface unit (laser label and date label)	907070301
2	LVDS cable, pink and blue plugs	910010109
3	T-type plug-in power harness	910010108
4	Front-video input lead, locking 2 x 4-pin, 2.0 mm pitch connector to RCA socket	910010117

The source does not say whether the auxiliary input itself or only its recorder power is optional. It lists a front-video lead but describes front video as optional. Confirm the kit contents and options with OADOT.

Add technical support on WeChat

Email technical support at andy-lv@oadot.com.