



ZENEC 250-251 Multiview Rear View Camera Instruction Manual

[Home](#) » [ZENEC](#) » ZENEC 250-251 Multiview Rear View Camera Instruction Manual 

Contents

- [1 ZENEC 250-251 Multiview Rear View Camera](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 MOUNTING INSTRUCTIONS](#)
- [5 KEY FEATURES](#)
- [6 TECHNICAL SPECIFICATIONS](#)
- [7 INSTALLATION](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)



ZENEC 250-251 Multiview Rear View Camera



Product Information

The ZE-RCE3703MV is a multiview rear view camera designed specifically for Fiat Ducato III motorhomes. It comes with a step-down converter and TTL board for easy installation. The camera is equipped with key features such as a high-resolution image sensor, wide horizontal view angle, and IP68 water and dustproof rating. It also has various technical specifications including adjustable electronic shutter, automatic gain control, and backlight compensation.

Technical Specifications

- Image device: High-resolution sensor
- Horizontal view angle: Wide angle
- TV system: PAL/NTSC
- Effective sensor resolution: High resolution
- Resolution of video-out signal: Standard resolution
- Frame rate: Adjustable
- Signal to noise ratio: High quality
- Light sensitivity: Low light performance
- Video output: RCA
- Electronic shutter: Adjustable
- White balance: Automatic
- Automatic gain control: Yes
- Backlight compensation: Yes
- Power supply: 12V DC
- Current consumption: Low power consumption
- IP protection rating: IP68 (water and dustproof)
- Operating temperature: Suitable for various climates

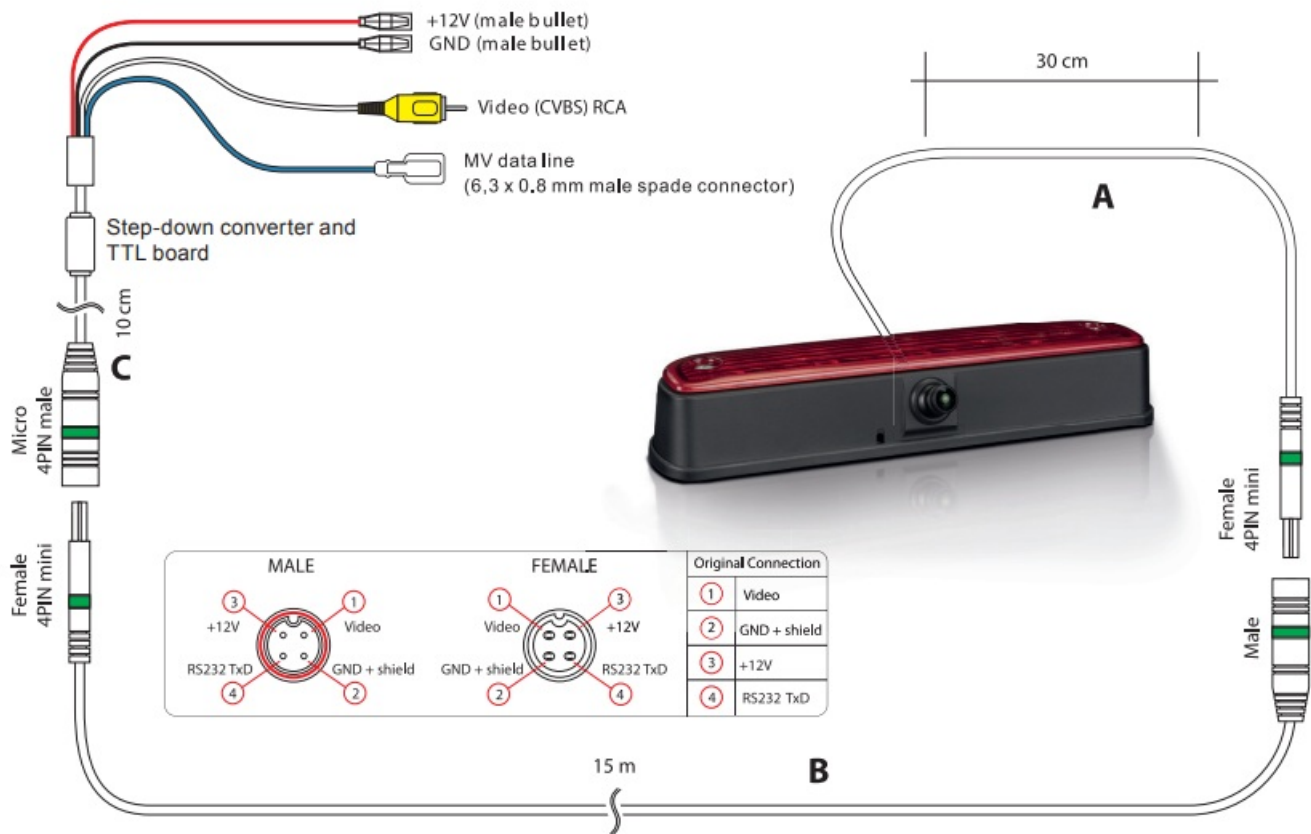
Product Usage Instructions

1. Unscrew and remove both Philips head screws from the brake light reflector housing. Keep the screws for later use.
2. Pull the brake light reflector unit out of its mounting slot and disconnect the white power supply system connector plug of the vehicle.
3. Screw in and tighten the stainless steel mounting bolts (5Nm) by hand, using a dab of Loctite if possible.
4. Route the main cable of the ZE-RCE3703MV camera from the device slot in the vehicle cockpit/dashboard to the brake light opening in the upper rear section of the vehicle.
5. Insert the brake light assembly into the main housing and plug in the white power supply system connector into the socket on the brake light reflector housing backside.
6. Connect the mini-4PIN connector of the camera sensor end to its counterpart of the extension cable.
7. Align the camera housing/reflector assembly over the mounting location and fix it with the original Philips head screws.
8. Connect the wires and connectors of the camera main harness to the corresponding cables and connectors of the head unit using the direct system connector block E.
9. Perform a camera function test and check for proper function of the 3rd brake light. Manually adjust the camera sensor for the best desired image section.

Caution: Use only the included connection cable. Modifying the cable will void your warranty. The camera is water- and dustproof with an IP68 rating, but high-pressure water and steam jet devices may still cause damage. When using a water jet high-pressure cleaning device, keep a distance of at least one meter between the water nozzle and the camera sensor/housing.

Note: For more information and support, refer to the UK Declaration of Conformity or visit the official website of ZENEC by ACR AG.

MOUNTING INSTRUCTIONS



KEY FEATURES

- “Multi-view” reversing camera for FIAT Ducato III vehicles and type variants, for use with selected, compatible ZENEC device models
- System design integrating the original Ducato brake light retaining the road use homologation
- Multi-view function, offering six camera image display modes selectable via touchscreen of ZENEC device (normal, top-down, panorama, L/R blind-spot, 2-split-screen, triple split-screen)
- High quality CMOS picture sensor with low power consumption
- Detailed high contrast cam image at twilight and night
- Mechanically adjustable cam angle, allowing field of view personalization
- Plastic injection main housing with stainless steel fixation bolts
- Separable 3-part system cable with 15.0 m main cable length

COMPATIBLE WITH	MODEL TYPE	MODEL YEAR
Fiat Ducato III	250/251	2006 – 2011
Fiat Ducato III	250/251	2011 – 2014
Fiat Ducato III	250/251 (X290)	2014 – 2021
Fiat Ducato III	Series 8	2021 – 2023
Fiat Ducato III	Series 9	as of 2023
Citroën Jumper II	250/250D/250L	as of 2006
Peugeot Boxer	250/251	as of 2006
Opel Movano	Type C	as of 2021

TECHNICAL SPECIFICATIONS

- **Image device:** 1/3" / 8.51 mm Pixelplus PC1058C CMOS Sensor
- **Horizontal view angle:** 180° (max.) – image areas controllable via ZENEC device
- **TV system:** NTSC / 60 fps
- **Effective sensor resolution:** 960(H) x 576(V) pixels
- **Resolution of video-out signal:** 700 TV lines
- **Frame rate:** 60 fields/sec.
- **Signal to noise ratio:** 43.3 dB
- **Light sensitivity:** 1.0 Lux
- **Video output:** 1.0 Vp-p (+/-0.2 V), 75 ohms, CVBS
- **Electronic shutter:** auto
- **White balance:** auto
- **Automatic gain control:** auto
- **Backlight compensation:** auto
- **Power supply:** 5.5 – 12 VDC
- **Current consumption:** 825 mW (165±5 mA@5 V via step-down converter)
- **IP protection rating:** IP68
- **Operating temperature:** -20°C~+70° C

CAUTION

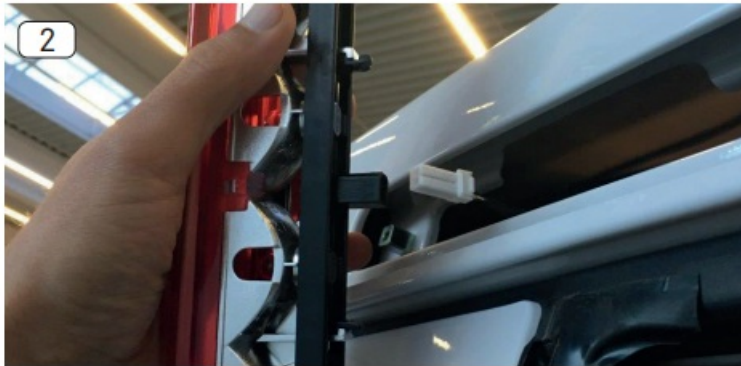
- Use the included connection cable exclusively. Modifying the cable will void your warranty.
- The camera is water- and dustproof and has been licensed according to the international standard IP68. However, vehicle cleaning using high pressure water and steam jet devices may still lead to damage of IP68 rated camera models by intrusion of water.
- If the motorhome is treated with a water jet high pressure cleaning device, make sure to keep a distance of at least one meter between the water nozzle and the camera sensor / housing.

INSTALLATION

1. Unscrew and remove both Philips head screws. Retain the screws for later remounting of the brake light reflector.



2. Pull the brake light reflector unit out of its mounting slot. Disconnect the white power supply system connector plug of the vehicle.



3. Screw in and tighten the stainless steel mounting bolts by hand (5Nm). Use a dab of Loctite, if possible.
4. Route the main cable of the ZE-RCE3703MV cam from the device slot in the vehicle cockpit / dashboard to the brake light opening in the upper rear section of the vehicle.



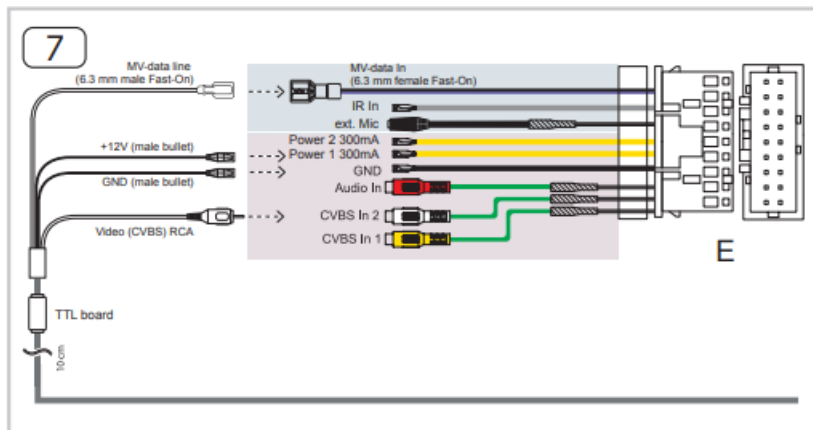
5. Insert the brake light assembly into the main housing. Next, plug in the white power supply system connector into the socket on the brake light reflector housing backside. Connect the mini-4PIN connector of the cam sensor end to its counterpart of the extension cable.



6. Align the cam housing / reflector assembly over the mounting location. Fix the assembly with the original Philips head screws.



7. Connect the wires and connectors of the cam main harness to the corresponding cables and connectors of the head unit. For power, RCA video signal and the MV data line, the ZENEC device offers a direct system "connector block E" to offer switched power out's (see installation guide of ZENEC head unit).



8. Perform a cam function test. Also check for proper function of the 3rd brake light. Align the camera sensor manually, for best desired image section. Installation and cam setup is completed.



Hereby, ACR Brändli + Vögeli AG declares that ZENEC ZE-RCE3703MV is CE compliant – the EU Declaration of Conformity can be accessed via the following Internet address: <http://www.zenec.com> (see link „Product Conformity Documents“ in the footer area of the page).




UK Authorised Representative (for authorities only)
ProductIP (UK) Ltd. 8, Northumberland Av. London WC2N 5BY



Germany · www.zenec.com

Documents / Resources

	<p>ZENEC 250-251 Multiview Rear View Camera [pdf] Instruction Manual 250-251 Multiview Rear View Camera, 250-251, Multiview Rear View Camera, Rear View Camera, View Camera, Camera</p>
---	---

References

-  [ZENEC – Touch another World](#)
-  [ZENEC – Touch another World](#)

Manuals+.