



DUAL LENS REAR VIEW CAMERA FOR FIAT DUCATO

The dual lens rear view camera from ZENEC for vehicles and model variants based on FIAT Ducato III was specially designed for use in commercial vehicles and motorhomes.
The ZE-RCE3704-2S has two separate camera modules with different focal lengths and separate image capture areas. With a horizontal field of view of 50°, Cam1 enables monitoring of objects located behind the vehicle, such as observing the traffic situation while driving (and use as „digital rear view mirror“).
Cam2 with 100° horizontal viewing angle and facing down, is designed to monitor the area directly behind the vehicle to aid in reverse maneuvering and parking. The image section captured by Cam2 is mechanically adjustable in the vertical panel for optimization of the captured image area behind the vehicle.
The CMOS sensors used offer high resolution, good light sensitivity and high dynamic contrast. The cylinder-shaped Cam2 assembly also contains two powerful LEDs, which are LDR controlled for fully automatic twilight and nighttime illumination function.
The ZE-RCE3704-2S has an internal microphone as additional source of acoustic information of the scene behind the vehicle while maneuvering.
The system cable of this model is equipped with 6-pin connectors compliant with DOMETIC CAM035 pre-touted main cable. The installation and connection of the ZE-RCE3704-2S cam factory-equipped with DOMETIC CAM035 main cable is thus particularly easy and time-saving.
The ZE-RCE3704-2S is compatible with monitors, 1-DIN and 2-DIN car infotainment devices, moni/naviceivers that feature two CVBS (RCA) camera inputs*[1]. If there is only one cam input, using a camera video switcher is another possible option.

KEY FEATURES

- Compact high resolution rear view camera for FIAT Ducato III vehicles, incl. Series 8 and other identical type variants
- System design integrating the original Ducato brake light retaining the road use homologation*[2]
- Cam1 sensor with 50° and Cam2 sensor with 100° horizontal view angle
- Manual adjustment of vertical image section of Cam2
- IR-LED illumination system with dynamic LDR brightness control for Cam2
- Integrated microphone (Cam2)
- Separable main cable with DOMETIC CAM035 6-pin connectors, suitable for direct connection with factory routed DOMETIC main cable in vehicle
- Plastic injection main housing with stainless steel fixation bolts

TECHNICAL SPECIFICATIONS

- Image device Cam1 / Cam2: Pixelplus PC3089
- Image sensor type: 1/3“ / 8.5 mm CMOS sensor
- TV system: NTSC / 60 fps
- View angle Cam1: 50°
- Total sensor-die based pixel matrix: 756 (H) x 504 (V)
- Image relevant pixel matrix: 720 (H) x 480 (V) pixels
- Lens focal length: f4.2 / f2.0
- Frame rate: 60 fields/sec.
- Signal to noise ratio: >47 dB
- Dynamic contrast: >62 dB
- Light sensitivity: 0.5 Lux/F1.2/50IRE – 0 Lux with IR-LED ON
- Video output: 1.0 ±0.2 Vp-p, 75 Ω, CVBS
- White balance: Auto
- Backlight compensation: Auto
- Gamma correction: 0.45
- Gain control: Auto
- Sync system: Auto
- Power supply: 12 DCV (6 V – 16 V)
- Current consumption (@12 V DC): 80 mA ±10 mA total for Cam1 + Cam2
- IP protection rating: IP68
- Operating temperature: -20° C ~ +70° C

*[1] This camera model is not compatible with the XZENT device models X-127, X-227, X-427 and X-F275.

*[2] The ZE-RCE3704-2S integrates into the original brake light insert of the vehicle. The brake light is not part of the supplied set content.

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)	as of 2014
Fiat Ducato III	Series 8	as of Q3 2021
Citroën Jumper II	250/250D/250L	as of 2006
Peugeot Boxer	250/251	as of 2006
Opel / Vauxhall Movano	Type C	as of 2021

N-ZERCE37042S-CM

The N-ZERCE37042S-CM adapter cable set allows to directly connect the ZENEC ZE-RCE3704-2S cam model with a suitable moni-/naviceiver (supporting two RCA RVC video signals), and motorhomes with factory pre-routed CAMOS system cable with screw collar 6-pin connectors.

