INSTRUCTION MANUAL

Tel. Fax. +49 (0) 4154 / 80 83 - 0 +49 (0) 4154 / 80 83 - 20

E-mail Internet info@camos-multimedia.com www.camos-multimedia.com

Address

CAMOS Europe GmbH Carl-Zeiss-Str. 3 D-22946 Trittau

CAMOS

INSTRUCTION MANUAL

Thank you for purchasing this product. For proper usages and application, Please read this instruction manual thoroughly.

CM-116FS / CM-116F SHUTTER CAMERA FOR VEHICLE





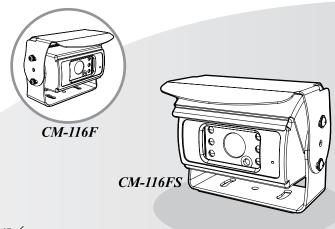














^{*} Design and Specifications are subject to change without notice.



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SAFEGUARD INSTRUCTIONS SHUTTER CAMERA FOR VEHICLE

Please pay attention to the warnings and cautions listed in order to prevent the potential risks

"WARNING" and "CAUTION" symbols are divided according to the different level of risk.

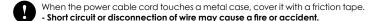


May cause bodily harm or even death if user ignores cautions in the safety rules.



May cause damage or shorten usage time of product if user ignores cautions in the safety rules.

WARNING



- Do not use bolts or nots from a parts for vehicle.
 - Using bolt or nuts from steering column or break may cause an accident.
- Let professional engineers or the sale store install the camera. - It require the experience and skills from professional engineers for proper installation and wiring.
- After installing the camera, check it break lamp, head lamp and wipe works properly.
- Install this camera to the vehicle with DC 12V.

CAUTION

Do not disassemble the device.

- It may cause a fire or malfunction of device.

Do not install the camera projected out from the vehicle.

- It may harm the pedestrians.

Do not let the extension cable pass through the seat rail. Properly wire the cables. - It may cause a fire or and accident.

Do not install the camera bracket on the surface of glass. - Use the screws to install the camera bracket.

1 FEATURE SHUTTER CAMERA FOR VEHICLE

- 1/3" SONY COLOR CCD image sensor
- 6 pcs of IR LEDs for night.
- Audio Function(Option)
- Heating function Built-in
- Waterproof (IP-67)
- Aluminum die-casting housing
- Night vision using the CdS sensor.
- Automatic shutter open(close) while moving reverse(forward).

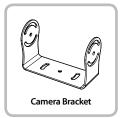


* only CM-116FS

2 BOX CONTENTS SHUTTER CAMERA FOR VEHICLE





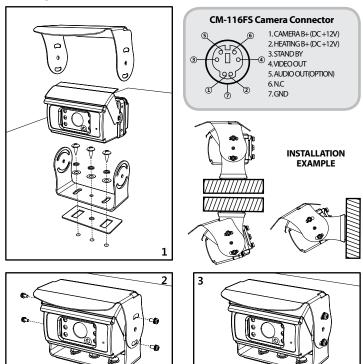




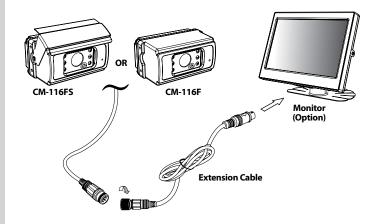




- 1. Determine a position and a direction of installation so that the rear view can be effectively seen on the monitor screen.
- Fix the camera bracket to the vehicle using the provided adhesive tape and tapping screws.
- Place a camera and sun visor to fixed bracket and assemble them with enclosed screws.
- 4. Run the cable from the monitor to the camera.
- * When you install the sun visor, please be careful not to touch with shutter moving area.



^{*}The installation is same way with CM-116FS/CM-116F.





Before making the connection, disconnect the ground terminal of the car battery to avoid short circuiting.



Before inserting plug, should check pin specification and the plug should insert to jack or connector firmly. If forced insert wrong direction, it may cause malfunction.



When connect extension cable, turn it right direction as described arrow.

5 CLEANING and GENERAL MAINTENANCE SHUTTER CAMERA FOR VEHICLE

- If your vehicle has been parked in direct sun light resulting in a considerable rise in temperature inside the vehicle, allow the unit to cool off before operating.
- Clean the unit with a slightly damp soft cloth. Use a mild household detergent.
 Never use strong solvents such as thinner or benzine as they might damage the finish of the unit.

OBJECT and LIQUID ENTRY

Never push objects of any kind into this monitor equipment through holes as they may touch dangerous voltage points or short-out parts that could result in a fire of electric shock. Never spill liquid of any kind on the product.

6 SPECIFICATION SHUTTER CAMERA FOR VEHICLE

NTSC	PAL
1/3" 250,000 pixels COLOR CCD	1/3" 290,000 pixels COLOR CCD
95°(H) / 70°(V) / 120°(D)	
0.1 lux	
DC 12V / 200mA Max.	
-10°C ~ 60°C	
78(W) x 40(H) x 54(D) mm (Camera Only)	
282g (Camera Only)	
	1/3"250,000 pixels COLOR CCD 95"(H) / 70"(V) / 120"(D) 0.1 lux DC 12V / 200mA Max10"C ~ 60"C 78(W) x 40(H) x 54(D) mm (Camera C

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