

## Notes on CMR2 bullet camera multi purpose mount

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The CMR2 modular camera mount has been specially designed by Drivedata to allow a 21mm diameter bullet camera (such as the Drivedata 480/36, 520/36, 580/36 cameras) to be securely mounted to a roll cage, windscreen, exterior body panel or other surface.

The mount is made up of two main parts, the upper camera clamp which can be used in conjunction with other grips and mounts utilising a 5/8" spigot fitting (such as the Drivedata CMSL large suction mount, M35 universal clamp etc.) and the lower base, which is profiled to fit around a roll bar or similar tube of 25-60mm diameter. A flat base version is also available if it is not necessary to attach to a roll bar.

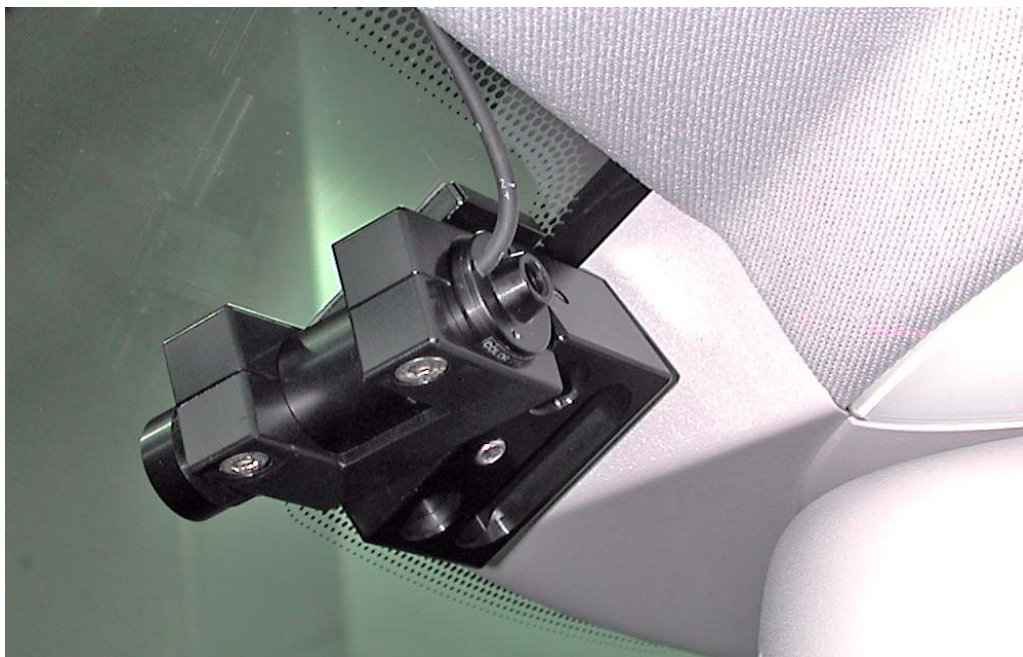


A third (optional) surface mount adapter can be attached to the base to enable the mount to be used on the inside of the windscreen, side window or any flat (or slightly curved) surface

The surface mount should be secured onto the base using the grub screw each end to lock the mount.

Position the mount and check the view on a monitor then peel the backing off the adhesive tape and press firmly on the pre-cleaned surface (use an alcohol wipe to clean the surface thoroughly). The adhesive achieves full strength in 72 hours. The bond will be very strong but the mount can be removed by twisting and the adhesive left can be easily removed. For

further information on the properties of this adhesive, please see the attached data sheet.



**Mount attached to inside of front windscreen**

To fit the mount to a roll cage follow this procedure:

1. Wrap one or two layers of duct/gaffer tape around the area of the roll cage you want to fit the mount to. This will protect the roll cage and provide a good surface for the mount to grip.
2. Secure the mount to the roll cage using cable ties or hose/jubilee clips. At least 2 ties/clips should be used to ensure the mount will be held securely. Once the camera has been lined up, they should be tight enough to hold the mount firmly on the cage and prevent it from slipping.
3. Loosen the two large grub screws on the upper part of the mount and slide the bullet camera into the mount.
4. Connect the camera to a monitor/camcorder and adjust the camera and mount to as required. The design of this mount allows adjustment in all axes so you can mount the camera on a horizontal, vertical or diagonal bar as required.
5. Carefully tighten the grub screws to lock the mount. **IMPORTANT:** Do not over tighten the screws as the mount is made of aluminium and it is possible to strip the threads. It is recommended to use some liquid screw lock on the grub screws to prevent vibrations from loosening the mount.



## Suggestions for successful applications using acrylic adhesives

### Materials to be bonded

Tapes will adhere well to most clean, dry and well-unified surfaces. Typical surface cleaning solvents are a 50/50 isopropyl alcohol (rubbing alcohol)/water mixture or heptane. Use proper safety precautions for handling solvents.

It may be necessary to seal or prime some substrates prior to bonding.

- A. Most porous or fibred materials; i.e., cement, wood, will require sealing to provide a unified surface.
- B. Some materials, i.e., copper, brass, will require coating with lacquer or varnish to prevent oxidation of surface.
- C. To prevent plasticizer migration in plasticized (flexible) vinyls, 4945 should be evaluated.

### Rub down pressure

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.

### Application temperature

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

After application, the bond strength increases and approaches the ultimate bond strength after 72 hours at 70°F (21°C). In some cases bond strength can be increased and ultimate bond strength can be achieved more quickly by exposure of the bond to elevated temperatures; i.e., 150°F (66°C) for 1 hour. This provides better adhesive wetout onto the substrates.

### General information

All applications, surfaces, surface treatments, solvents, paints, sealers, etc. should be thoroughly evaluated by the user under anticipated use conditions in conjunction with specific tape and substrate to be used in the application.

If the adhesive bond is too strong or too weak for the application, please contact your 3M/Industrial Tape Specialties Group representative for information on alternate tape products.

Please review the product information sheets for "Scotch" Joining Systems for additional information.

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