

LENS REPLACEMENT & RE-FOCUSING INSTRUCTIONS

For DataToys DT-CAME580, CAME560, CAME520 and CAME380
Extreme Modular Sony CCD helmet cameras

Never attempt this when you are in a hurry, at a race track, in a dusty, dirty or extremely humid environment. Be sure you can connect your DT-CAME series camera to an external video source,

- 1) Remove the metal Lens Cap by turning it counter-clockwise.
- 2) Inside the Lens Cap, attached to the front of the camera and held in place by friction, is a rubber O-Ring covered by protective glass. **Be careful to not lose or damage either of these.**
- 3) The camera lens is replaced using needle tip tweezers. You can see two small holes in front of the lens. Place tweezers tips into two holes and rotate the lens counter-clockwise. **BE EXTREMELY CAREFUL NOT TO SCRATCH THE LENS.**
- 4) A small spring at the end of the lens provides tension and prevents it from free rotation. **Be sure not to lose it.**
- 5) Insert the new lens and screw it in by hand until you need to use the tool. **BE EXTREMELY CAREFUL NOT TO SCRATCH THE LENS.**
- 6) In order to focus the lens, the camera now needs to be plugged into a power source (battery, AC-to-DC +12V adapter, etc) and a video source (monitor). Rotating the lens clockwise continues to adjust focus. **If the focus was getting better and then started getting worse, you have gone too far - start backing the lens out EVER SO GENTLY!**
- 7) Install the O-Ring and Camera Glass (**make sure glass is clean and has no finger prints on either side**). Slowly and carefully, screw the Lens Cap back on.

NOTE: If you are installing a 2.9mm lens and your Datatoys camera is equipped with the optional sun visor, you should replace it with the "no-shield / no visor" Lens Cap. If you do not, the top of the picture will display the inside of said sun shield cover.

For more information, please visit <http://www.DataToys.com> or to send us an email , please visit <http://www.datatoys.com/emailform.htm>

Thank you for your support!
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