

INSTRUCTIONS

PREPARE THE CARD

Print out this card and stick the card on a piece of firm board or thin stiff plastic sheet.

Use a blade to cut along the red lines and lightly score or indent along the blue lines.

Fold the free section in the centre along that blue hinge and fold the bottom of the card along the blue line. Place the calibration card on a table or level surface standing on the folded bottom section A and bend backwards so the card is at 45 degrees with the printed side facing upwards.

Place a book or other weight on section A to keep the card in place. Fold and adjust the centre section of the card so that it is perfectly vertical while the rest of the card stays at 45 degrees.

SETUP THE CAMERA

Place the camera on a tripod approximately 2.5 metres away from the card.

Long telephoto lenses will need to be placed further away and ultra-wide lenses closer.

Ensure both the camera and card are at exactly the same height. Set the lens to the widest aperture for shallowest depth of field, and use a shutter speed of at least 1/200s. Use the lowest ISO setting on your camera. You may need to increase the illumination on the card if the image is under-exposed.

Set the camera to timer to reduce any vibration. Make sure the lens is set to autofocus and using the centre focus point auto-focus on the center of the board, and take a photo. Change the focus and then autofocus on the centre of the card again and take another picture.

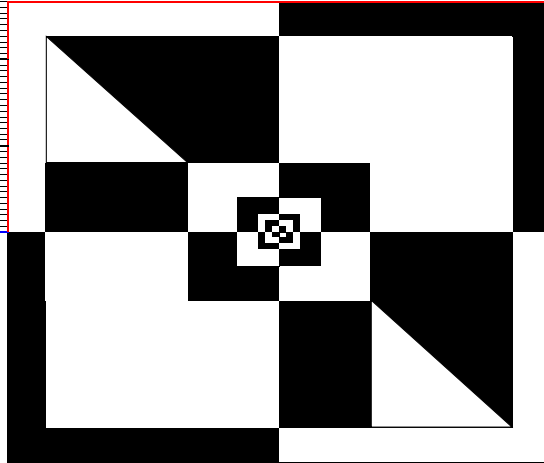
Repeat this and take at least 5 images per test.

LENS CALIBRATION ADJUSTMENT

Leaving the camera in position, remove the memory card and view the images on a large high resolution monitor at 100% magnification. The number "0" should be the sharpest and most in-focus point in the image. If the focus plane is in front or behind, adjust the micro-calibration settings accordingly on your camera. If any number above the "0" is sharper, then the lens is backfocusing.

If any number below the "0" is sharper, the lens is front focusing. Refer to your manual if necessary to find the relevant adjustments menu. Replace the memory card and repeat the test.

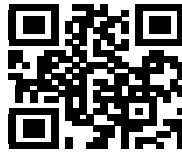
Multiple adjustments may be necessary. For telephoto lenses, repeat at the longest and shortest lens range and adjust your camera micro-adjustments accordingly.



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Lens Calibration Card version 1.2



Download this card, or see more detailed instructions and hints online using the QR code above.

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