LensAlign®
Focus Calibration System

LensAlign PRO Setup Instructions

1 Take inventory.

A) Certified Base
B) Shipping Spacer and Rubber Band
C) Sight Gate
D) Sight Gate Magnet with adhesive backing
E) DOF Display Ruler

2 Remove the Shipping Spacer and Rubber Band from the Certified Base.

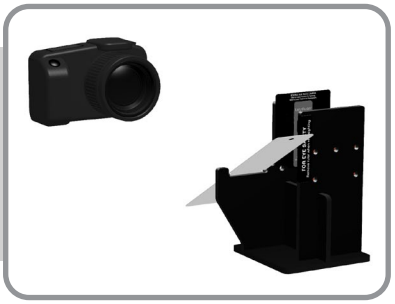
3 Remove the protective paper from the rear of the Sight Gate Magnet.

4 Affix the Sight Gate Magnet to rear of the Sight Gate, orienting and aligning the magnet to the outlines as shown in the photo.

5 The Sight Gate adheres magnetically to the rear of the front Focus Target. Mount as shown in the photo.

6 Mount the DOF Display Ruler on the Certified Base and adjust the Ruler angle to position #3.

7 Mount the camera/lens combination to be tested on a tripod. LensAlign PRO can be table-top or tripod mounted (tripod mounting is preferred, an inexpensive video tripod with a pan and tilt head is fine).



Camera alignment instructions on next page...

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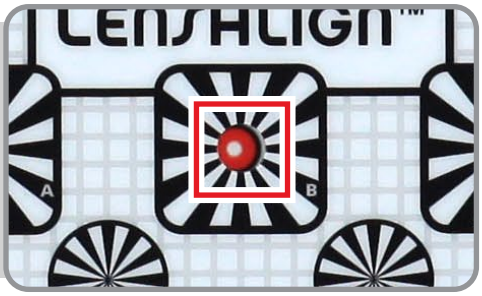
LensAlign PRO Camera Alignment

1 **Camera Pre-Alignment** - Set the test camera's aperture to ƒ8. Looking through the test camera's viewfinder, adjust the camera's position so that the center Focus "Star" of LensAlign (labeled B) is approximately aligned with the center autofocus point of the camera. (Note that the DOF ruler is not required for Camera Alignment).

2 **Back-Sighting** - (Note: Back-sighting makes camera/LensAlign alignment quick and easy, but is not a required step. If LensAlign is positioned so that back-sighting is not possible, skip to step 3). Remove the DOF Ruler and set the Sight Gate to it's UP (open) position. Go behind LensAlign and place your eye directly behind the Rear Sighting Plate. Viewing through the center (B) Rear and Front Sighting Holes, adjust LensAlign's position so that the center of the test camera's lens is viewed in the center of the sighting holes. This should bring the camera's alignment to LensAlign very close to perfect.

3 In this example, camera alignment to LensAlign is about 90% accurate. The goal of alignment is to adjust the camera's position until the hole in the Rear Sighting Plate "Bullseye" is centered in the center Focus Star (labeled B), and both are centered in the frame. When this is achieved, the Focus Target of LensAlign and the camera imaging plane will be perfectly parallel, which is required for accurate focus evaluation. (Note that only the B Sighting Dot will appear centered when perfect alignment is achieved).



4 **Front-Sighting** - Looking through the camera's viewfinder, refine the camera's position until the hole in the rear Focus Target Bullseye is centered in the center (B) Focus Star, and both are centered in the frame. This can be viewed by taking a test shot then zooming in on the playback image in the camera's rear LCD or, if your camera has a Live View function, you can use this with its zoom function to carefully check the alignment of the camera to the LensAlign Focus Target. After sighting is complete, do not change the position of the test camera or LensAlign. Sighting must be checked and possibly repeated if the camera or LensAlign is moved, or the test lens is zoomed or changed.

5 **Final Preparation** - Mount and adjust the DOF Ruler's angle to position #3 (or a preferred position). Set the Sight Gate to it's DOWN (closed) position. Set the camera to Manual or Aperture Priority exposure mode and open the aperture of the lens to its lowest ƒ stop. You are now ready to capture test images.

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