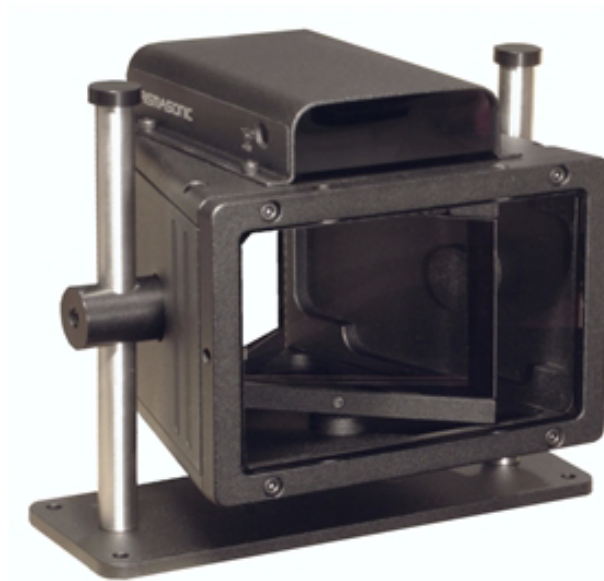


Your Projector's new Best Friend



Installation Instructions:

Carefully remove and unwrap all the contents of box. Referring to the part list, make sure you have everything needed to proceed with the installation of the lens. If any parts are missing, contact IMAGE Vertriebs GmbH immediately.

Install the Remote Control battery and fasten the four screws to the remote control housing to hold it securely in place. (Pre-assembled)

Inspect the lens to make sure there are no shipping defects. Test the motor functions by plugging them into a standard electrical outlet. If you notice a problem with the lens itself, or the lens' mechanical or electrical system, contact IMAGE Vertriebs GmbH immediately.

Parts list:

- " IHEA-Lens
- " Lens stand (attached to lens housing)
- " Remote controller
- " 12V Remote Control Battery (pre-assembled)
- " power Cord
- " Power Adapter
- " 2 x L-Wrenches (for tuning and adjustment)
- " Instruction Manual

Taking the lens into the use:

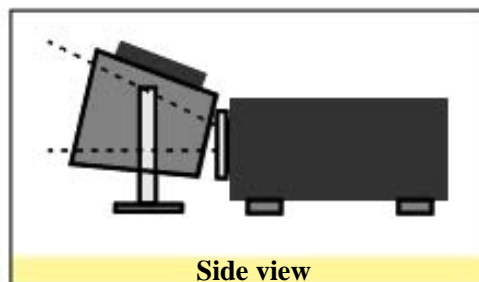
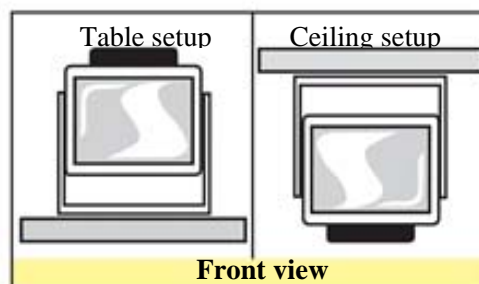
1. Carefully remove the plastic cover coats from both IR-windows of motor cover on top of the lens housing
2. Lift the lens up and flip it upside down in a stand
3. Remove the delivery lock screws of both prisms from the bottom plate
4. Carefully remove the front element with a holder by releasing the four screws pointing towards the screen. Remove the plastic cover coats from both sides of the element.
5. Carefully remove the bottom plate of housing by releasing the four screws on the bottom. Now remove the plastic cover coast from both sides of both prisms.
6. Insert the bottom plate back to the housing and tighten the four screws **securely**
7. Insert the front element back to the housing and tighten the four screws **securely**
8. Flip the lens back to the right side... Your lens is now ready for the use!



Installation:

The IHEA-lens is easy to use and operate. It's motorized assembly allows easy pass-through of the projector image, as-well as user definable aspect ratio's using the custom stops and the supplied remote control.

1. Make sure the projector is turned on. It is helpful to have an image that completely fills the entire panel of the projected image.
2. With the motor-assembly pointing towards the ceiling (in a table-mounted setup), or towards the floor (in a ceiling-mounted setup) (see figure below) carefully hold the lens in front of the projector, with the small opening closest to the projector lens and the large opening pointing towards the screen.



3. Make sure the entire projected images fits centered within the two prisms. Lower, raise, and toll the lens if necessary using the arm extension. When the desired height and angle is reached, secure the lens in place by tightening the arm-extension screws. (See illustration for correct beam placement through lens.)

NOTE: The perfect symmetry for the projected image can only be achieved by tilting the lens to the direction of the beam.

4. Prepare a text presentation to use with your projector, and make sure it is playing when you begin to setup the IHEA-lens. It is best to select 2.35:1 aspect movie for the Cinemascope setup, and perform the vertical stretch using the custom aspect ratio controls of your media player/projector.
5. Carefully remove the front element with a holder by releasing the four screws pointing towards the screen, and put it in a clean, safe location.
6. First move the prisms to the "pass" mode using the supplied remote control until the prisms stop. Make sure that the image is now rectangular and symmetrically in the centre of the 2.37:1 screen.
7. Using the remote control, press "stretch" until the prisms stop again. The tuning can be accomplished by manually adjusting the removable pin stops inside the lens to match your screen perfectly on both sides.

NOTE: Tuning is done to the pin stops screws to where the prisms stop after pressing the "Stretch" button

8. If the sides of picture are not opening/closing synchronously to each other, when switching the modes, tune the terminal screws to where the prisms stop after pressing the "pass" button

NOTE: Open the pin stop screw of the prism, which has a shorter travel, and close the pin stop screw of that prism, which has a longer travel until both sides operates synchronously with each other. You may have to do some iterative setting up starting from point 6.

9. Take the front element and secure it to the lens body using the four screws. You may slightly have to zoom in the picture after front element installation.
10. Adjust focus and picture to achieve the optimum settings in "stretch" mode, and note these settings for future reference.

You're done! Now it's as simple as using the supplied remote control to recall the settings for the lens, and the desired settings on your projector and video playback machine/ video scaler/ projector.



Installation checklist:

- " Remember to mount the lens close to an electrical outlet for the motorized assembly
- " Make sure that the IR window on the Remote Control Motor Assembly can be directly or via screen accessed by the IR emitters of the remote control.
- " Do not forget to install the batteries in the Remote Control assembly and secure the compartment by using the screws included window on the Remote Control Motor Assembly can be directly accessed by the IR emitters of the remote control.
- " Be sure your lens is secure and stable before moving on the "Operating Instructions"
- " Never attempt to hold the lens in place without some type of secure brace. Remember the lens is very fragile.

Maintenance:

Your IHEA-lens was designed to require very minimal cleaning. It is best to only wipe the lens housing with a clean, damp, soft cloth when needed.

The prisms should ONLY be cleaned if absolutely necessary and do so with great care.

Cleaning the prisms:

1. Only used optically safe lens-cleaning solutions and a clean, lint-free cloth certified for cleaning of delicate lens materials (available at most camera shops).
2. if dust or debris should become trapped in between the prisms, it is possible to open the bottom plate of the housing and clean the prisms from the both sides. Also a small amount of "air in a can" or a hand-operated camera lens air-squeezer can be used (also available at most camera shops) to blow-away this unwanted dust or debris.