



Vari-Focal Lens Installation Manual



Connecting the Lens:

Manual Iris (MI): There are no connections for a manual iris lens.

Direct Drive Iris (DC): Align the lens so that the pre-plugged lead can mate with the socket without straining. Set the camera to accept a "DC" lens.

Video Iris (AI): Most AI lenses are plugged, follow the instructions as with the DD lenses.

Some AI lenses are not plugged but wired, please ensure that the camera you are fitting it to will accept a wired lens. After reading the camera's instructions wire the lead into the camera using the following colour code:

Red	Voltage, 8.5 – 13V DC
White	Video (V or VS)
Black/Shield	Ground

Set the camera to accept a "Video" lens.

Adjusting the Lens:

A Vari-focal lens is correctly set up when you can focus the lens at Wide, Telephoto and all points between. The following procedure is best performed in low light conditions or with the aid of ND filters.

Introduction

Thank you for purchasing this Vista Vari-focal lens. Please read this manual carefully prior to use and retain for future reference.

Precautions:

There are no internal user controls, do not disassemble the lens.

Do not carry or tighten the lens by its lead.

Do not touch the glass elements of the lens.

Do not point the lens directly at the sun.

Do not drop the lens.

Camera Format:

1/2" Lenses can be used on both 1/2" and 1/3" cameras, 1/3" lenses can only be used on 1/3" cameras.

Most lenses are CS mount and can be used on CS mount camera. If the lens is a C mount then a CS Adapter will have to be used to enable correct back focus to occur on a CS mount camera.

Mounting the Lens:

Ensure that both the lens and camera sensor are clean and free from dust. Turn the lens in a clockwise direction until tight, care must be taken to prevent cross-threading or over tightening. Do not turn the lens by its lead.

Adjusting the Lens Cont:

1. Set Focal Length to WIDE.
2. Set Focus to NEAR then back it off a little, this is to ensure that you can adjust through the focus at NEAR.
3. Adjust the camera "Back Focus" to achieve best focus, if possible concentrate on closer objects but this is not essential, lock the camera's Back Focus mechanism.
4. Set Focal Length to TELE and adjust the Focus towards INFINITY and confirm that you can go through focus at full telephoto.
5. Adjust the Focal Length and Focus "together" to achieve the desired field of view with sharp focus.
6. Lock both Focal length and Focus adjustments.

Cleaning the Lens:

Please avoid touching the glass elements of the lens. Remove dust using a blower or soft lens brush. If the lens is dirty, clean with a lens cleaning cloth or paper, if greasy a little lens cleaning fluid should be used. Clean the body using a silicon cloth. Do not use detergents or organic solvents (e.g. thinners or benzene).

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