

# DC-Type and AI-Type Auto Iris Varifocal lens Owner's Manual

## Production Summary

1. These varifocal lenses are variable-magnification lenses that cover the most frequently used field of view. Note however, that the focus must be adjust each time you change the field of view
2. DC-Type lenses use a DC Iris and AI lenses use a video iris.
3. Read this manual carefully before using your lenses to ensure that you use it correctly.

## DC-Type Auto Iris Specifications

### DC Iris

## AI-Type Auto Iris Specifications

- Light metering : Continuously variable average to peak light metering  
 Input Impedance : High impedance  
 EE Precision : Average value for 0.7 Vp-p video signal  $\pm 15\%$   
 Input Voltage : 8.0V to 16V DC (Fixed)  
 Max. Current used : 40mA  
 Level Adjustment Range : 0.5 to 1.0 Vp-p  
 Input Signal : Video signal or composite video signal

## Installation on the Camera, Adjustment and Removal

1. Attach the lens by screwing it into to TV camera lens mount.
2. If you continue to turn the lens clockwise after it is fully screwed into the mount, the mount start to rotate freely.
3. While the mount is rotating freely, turn the lens in the desired direction and adjust the lens attitude.
4. To detach the lens from TV camera, turn the entire lens counterclockwise until it comes off.

## Level Adjustrment [AI-Type Only]

The lens is adjusted to the standard setting at shipment. If the image on the screen is unnaturally bright or dark, use the table below as a guide to correcting the level.

Screen Image	Level Knob Rotation Direction
To brighten the image	H direction (Clockwise)
To darken the image	L direction (Counterclockwise)

## ALC Adjustment [AI-Type Only]

At shipment, the lens is adjusted to give the maximum range of optimal contrast. If the contrast in the image on the screen is unnatural, use table below as a guide to adjusting the ALC setting and the LEVEL setting to give the optimum image quality.

Screen Image	Level Knob Rotation Direction
To increase the contrast	Pk direction (Clockwise)
To decrease the contrast	Av direction (Counterclockwise)

## Circuit Diagram

### DC-type (4pin standard connector)

### DC-type (no connector)

### AI-type

