

Table of Contents

Safety Warning.....	1
Major Parts Names and Functions.....	3
Introduction.....	4
Adjustments.....	6

(1) Safety Warning

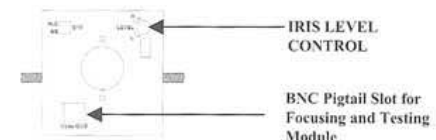
- ◆ **Do not expose the camera to humidity and dust.**
Moisture can damage the camera and cause the danger of electric shock. If the camera is mounted outdoors, a camera housing is required. Do not install the camera at where there is greasy smoke or steam, where the humidity is too high, or where there is a lot of dust to prevent damages to the camera.
- ◆ **Do not disassemble the camera.**
Do not disassemble the camera body as it is dangerous and may cause the damages to the camera. Refer all servicing to qualified service personnel.
- ◆ **Handle the camera with care.**
Be careful when handling the camera, do not drop it or subject it too strong shock or vibration to prevent any damages to it.
- ◆ **Do not install the camera near electric or magnetic fields.**
Installed the camera away from TV, radio transmitter, magnet, electric motor, transformer, audio speakers because the magnetic fields generate from above devices will distort the video image..

1

2

(2) Major Parts Names and Functions

◆ Front panel design of Auto-Iris lens model



◆ Front panel design of Manual-Iris lens model



(3) Installation

◆ Positioning Lens for 90° Tilt

Slide mounting arm to one side to give enough clearance for the lens.
Use 'toolless' screws on the side of the module to secure position.



◆ Video Testing and Focusing BNC

Connect the BNC Pigtail accessory to the front of the module for help with focusing or video testing.



MPD2G00210

4

5

◆ Power Wire Legend

Solid Red / Black Line with White Dashes = Positive
Solid White / Solid Black = Negative

◆ Zoom and focus adjustments

After the camera was installed, the zoom and focus of the lens must be adjusted.

- (1.) Loosen the zoom ring knob, and then turn the ring towards <W> or <T> as necessary to obtain the desired view range.
W side (Zoom out)
The viewing range will be wider and the subject is smaller.
T side (Zoom in)
The viewing range will be smaller and the subject is larger.
- (2.) Loosen the focus ring knob, then turn the ring towards <F> or <N> as necessary to obtain the clear video image.
- (3.) Repeat steps 2 and 3 until the best image is obtained.
Once the lens setting finished, tighten the zoom ring and the focus ring knobs.

(4) Adjustments

◆ BLC (Back Light Compensation)

Default setting:

Auto Iris - Off, Manual Iris - Off

When BLC is turned on, the AGC, ES and IRIS operating point is determined by averaging over the center area instead of entire field-of-view, so that a dimly-lit foreground object at center area can be clearly distinguished from brightly-lit backgrounds. BLC should not be used unless it is needed to compensate for back-light. The default setting is Off. For Auto-Iris lens model, the brightness can also be adjusted via the Iris level control VR.

◆ ES (Electronic Shutter)

Default setting:

Auto Iris - Off, Manual Iris - On

ES ON: The camera continuously adjusts the shutter speed from 1/60 (NTSC) to 1/100,000 second according to the luminance conditions of the scene.

ES OFF: The shutter speed is fixed at 1/60 (NTSC) second. ES is normally used for the manual Iris lens model. Set it off when the auto iris lens is used or flicker is observed under a very bright fluorescent lamp.

◆ IRIS Level Control

Brightness Level can be adjusted from the IRIS level VR while using the direct drive lens.

- Turn counterclockwise to L to get darker picture.
- Turn clockwise to H to get brighter picture.

6

Mid Resolution Vari-focal Dome Camera

INSTRUCTION MANUAL

