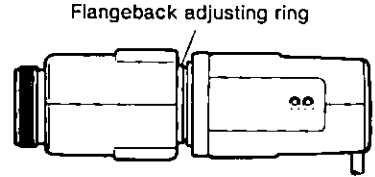


**Flangeback Adjustment**

When an automatic iris zoom lens WV-LZ81/10 is installed on the camera, the camera will focus from 1 m to infinity (∞). For a zoom lens, the flangeback can be adjusted with following procedure.

- (1) Loosen the flangeback adjusting ring fixing screw.
- (2) Set zoom lens at tele position.
- (3) Adjust the focus ring on the lens for best focus.
- (4) Set zoom lens at wide position.
- (5) Adjust the flangeback adjusting ring for best focus.
- (6) Zoom in again and adjust the focus ring on the lens for best focus.

- (7) Zoom out again and adjust the flangeback adjusting ring for best focus.
- (8) Repeat the process (2) - (7) until the focus tracks over the zoom range of the lens.
- (9) Tighten the flangeback adjusting ring fixing screw.



**SPECIFICATIONS**

Focal length:	8 - 80 mm
Maximum Aperture:	F = 1 : 1.4 (wide) - 1 : 1.7 (tele)
Image Size:	4.8 x 6.4 mm
Iris Range:	F1.4 - F22, Close
Mount:	Screw Mount (1"-32UN)
Filter Size:	φ55 mm P = 0.75 mm
Angular Field of View:	Tele                      Wide
H	4°37'                      44°33'
V	3°30'                      33°32'
Minimum Object Distance:	1.1 m
Weight:	0.92 lbs. (450 g)
Dimensions:	3-3/8"(W) x 2-7/16"(H) x 3-7/8"(D)
	81(W) x 66(H) x 114(D) mm
Focus Control:	Far                      -6 V - -12 V DC Max. 67 mA, approx. 5 sec.
	Near                      +6 V - +12 V DC Max. 35 mA, approx. 5 sec.
Zoom Control:	Wide                      -6 V - -12 V DC Max. 28 mA, approx. 6 sec.
	Tele                      +6 V - +12 V DC Max. 28 mA, approx. 6 sec.

Weights and dimensions shown are approximate. Specifications are subject to change without notice.

**STANDARD ACCESSORY**

4 pin connector x 1

**RECOMMENDED OPTIONAL SYSTEM ACCESSORIES**

System Control .....	WV-CU254
Receiver .....	WV-RC100 (Indoor), WV-RC150 (Outdoor)

**Panasonic**

Communications & Systems Company

Division of Matsushita Electric Corporation of America

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**PANASONIC SALES COMPANY**

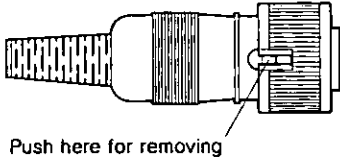
**DIVISION OF MATSUSHITA ELECTRIC OF PUERTO RICO, INC.**

San Gabriel Industrial Park, 65th Infantry, Ave. KM. 9.5 Carolina, Puerto Rico 00630 (809) 750-4300

# INSTRUCTION MANUAL FOR AUTOMATIC IRIS ZOOM LENS WV-LZ81/10

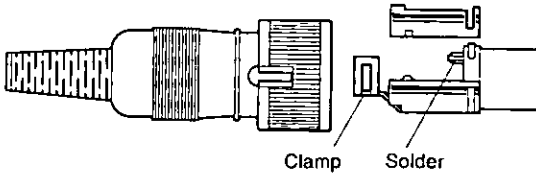
## How to make the 4 pin zoom and focus cable

- (1) Remove connector terminal from Hirschman connector (supplied) by pushing locking pin.



Push here for removing

- (2) Solder the 3 wires for zoom and focus according to the following diagram.



View from solder side

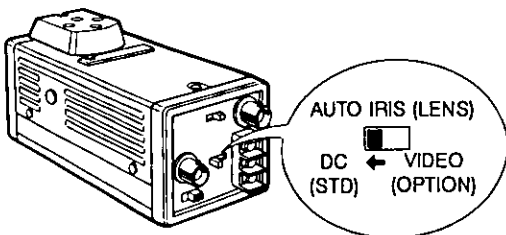
1. Common
2. Not used
3. Focus
4. Zoom

- (3) Zoom and focus cable information

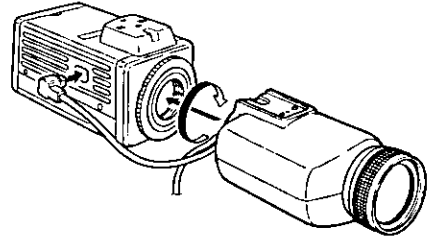
Copper Wire Gauge		Maximum Length
#20 (0.52 mm <sup>2</sup> )	[ft]	195
	[m]	60
#18 (0.83 mm <sup>2</sup> )	[ft]	325
	[m]	100
#16 (1.31 mm <sup>2</sup> )	[ft]	475
	[m]	145
#14 (2.08 mm <sup>2</sup> )	[ft]	800
	[m]	245

## How to install the automatic Iris zoom lens

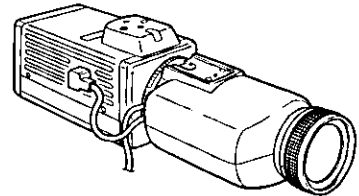
- (1) Make sure that the lens selection switch is set to DC position (for same other models, set the lens selection switch (LENS, STD/OPTION) to STD position).



- (2) Mount the automatic iris zoom lens onto the lens mount of camera by rotating it gently clockwise until it stops. Then turn the lens furthermore with a little bit stronger torque.



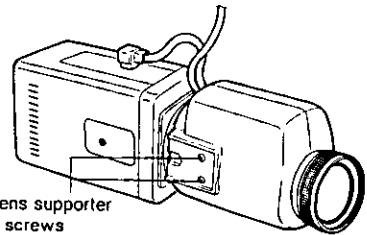
- (3) Set the lens to flat position by turning lens counterclockwise.  
 (4) Connect the 4 pin ALC lens cable to the camera's connector on the side of camera.



4 pin  
ALC lens cable

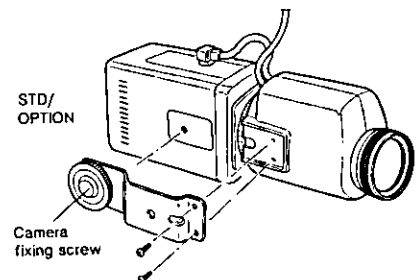
Steps (5), (6) and (7) are applicable for WV-CL110 and WV-BL90 cameras.

- (5) Remove two lens supporter fixing screws on the lens. The lens supporter can be mounted on the camera either from top side or bottom side.



Two lens supporter  
fixing screws

- (6) Mount the lens supporter to the lens with two fixing screws.  
 (7) Mount the lens supporter to the camera with camera fixing screw.



- (8) Connect the 4 pin zoom and focus cable to the remote control unit.