

INSTRUCTION MANUAL FOR ASPHERICAL HIGH SPEED APERTURE LENS WV-LA4510, WV-LA608 AND WV-LA1208

=WV-LA4510=

How to install the lens

- (1) Make sure the Lens Selection Switch on the rear of the camera is set at DC position. (Fig. 1)

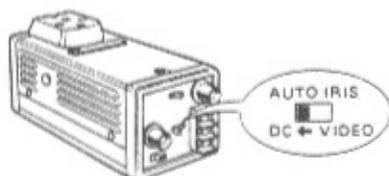


Fig. 1

CAUTION:

Always set the flange-back adjusting ring to fully clockwise (C-mount side) by loosening screws on the ring before mounting the lens. The inner glass and CCD image sensor might be damaged by the lens otherwise.

- (2) Mount the lens by turning it clockwise onto the lens mount of the camera.
- (3) Connect the lens cable to the Auto Iris Lens Connector on the side of the camera. (Fig. 2)

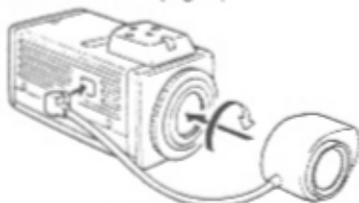


Fig. 2

- (4) Loosen screws on the flange-back adjusting ring. (Turn the flange-back adjusting ring to the desired position.)

CAUTION:

Do not turn this ring too much counter-clockwise as this might damage the inner glass and CCD image sensor.

Tighten the screw on the flange-back adjusting ring. (Fig. 3)

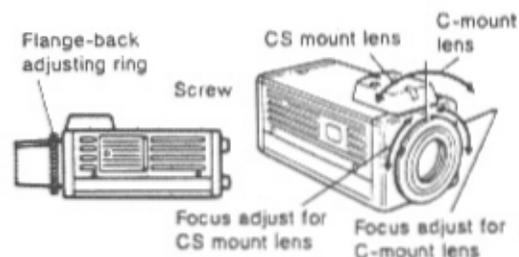


Fig. 3

=WV-LA608/WV-LA1208=

How to install the lens

- (1) Make sure that the Lens Selection Switch on the rear of the camera is set at DC position. (Fig. 1)

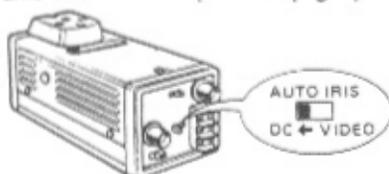


Fig. 1

CAUTION:

Always set the flange-back adjusting ring to fully clockwise (C-mount side) by loosening screws on the ring before mounting the lens. The inner glass and CCD image sensor might be damaged by the lens otherwise.

- (2) a) Installation for Color Camera
Mount the 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 to the desired position. (Fig. 2)

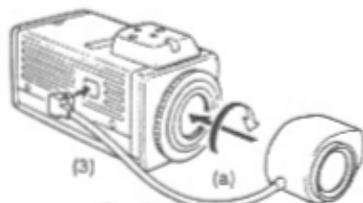


Fig. 2

b) Installation for Black/White Camera

Precaution:

When this lens is used with a B/W camera, in order to have an optimum definition, the glass-block and flange-back adjusting plate should be attached with.

- A glass-block and a flange-back adjusting plate are provided with the WV-LA608 and WV-LA1208. (b-1) Insert a glass-block by rotating clockwise onto the lens and put a flange-back adjusting plate on the lens. (b-2) Then mount the lens onto the lens mount of camera by rotating them gently clockwise until they stop. Then turn the lens furthermore with a little bit stronger torque to the desired position. (Fig. 3)

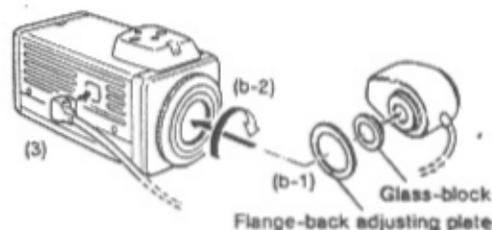


Fig. 3

- (3) Connect the lens cable to the Lens Connector on the side of the camera.
- (4) Adjust the backfocus of the camera by turning the flange-back adjusting ring to the desired position.

WVLA608IB

CAUTION:

Do not turn this ring too much counter-clockwise as this might damage the inner glass and CCD image sensor.

Tighten the screw on the flange-back adjusting ring. (Fig. 4)

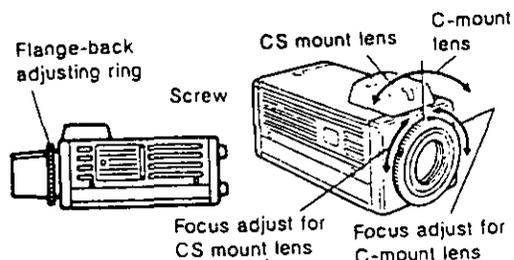


Fig. 4

Specification Comparison

Specifications	Models	WV-LA4510 (Super Wide-angle)	WV-LA608 (Wide-angle)	WV-LA1208 (Standard-angle)
Image Size		$\phi 8$ mm (6.4(H) x 4.8(V) mm)	$\phi 8$ mm (6.4(H) x 4.8(V) mm)	$\phi 8$ mm (6.4(H) x 4.8(V) mm)
Focal Length		4.5 mm	6 mm	12 mm
Maximum Aperture Ratio		1 : 1.0	1 : 0.75	1 : 0.8
Angular Field of View	H	73°	57°	32°
	V	57°	44°	24°
Focusing Range		Adjusted by Camera	Adjusted by Camera	Adjusted by Camera
Mount		Special C-mount (CS-mount, 1"-32UN)	Special C-mount (CS-mount, 1"-32UN)	Special C-mount (CS-mount, 1"-32UN)
Filter Size		—	M46 P=0.75	M46 P=0.75
Dimensions		$\phi 1-11/16"$ x $1-11/16"$ ($\phi 43$ x 43 mm)	$\phi 2-1/16"$ x $2-1/8"$ ($\phi 52$ x 55 mm)	$\phi 2-9/16"$ x $2-7/8"$ ($\phi 66$ x 72.5 mm)
Weight		0.2 lbs. (85 g)	0.3 lbs. (155 g)	0.6 lbs. (255 g)
Ambient Operating Temperature		22°F - 140°F (-30°C - +60°C)	22°F - 140°F (-30°C - +60°C)	22°F - 140°F (-30°C - +60°C)

- Dimensions and weight indicated are approximate.
- Specifications are subject to change without notice.

CAUTION:

It is not possible to install the Aspherical High Speed Aperture Lens WV-LA1208 into the camera housing WV-7110, WV-40 and WV-46KT.

Accessories

- Glass-Block (V1SA0069A4) 1 pc.
- Flang-Back Adjusting Plate (V6GA0168A4) 1 pc.

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