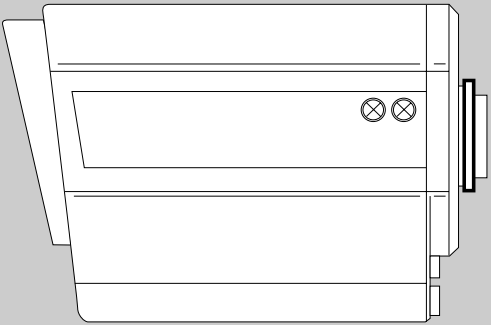
SAMSUNG TECHWIN

CCD CAMERA LENS

(8X ZOOM LENS)

INSTRUCTION MANUAL

SLA 854C M208X

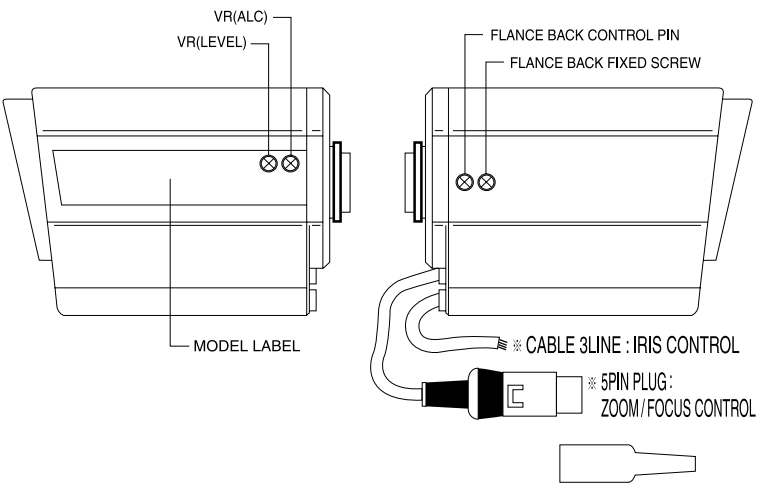


SAMSUNG CCTV LENS

■ OPERATING INSTRUCTIONS

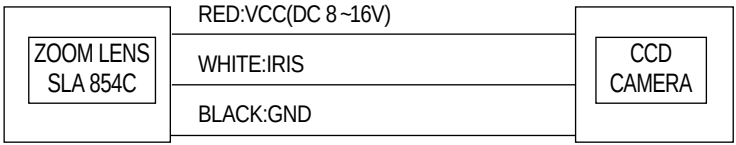
This 8X CCTV-Camera lens is an automatic iris zoom lens that is electrically driven by video signal control. The photometric system continuously provides an adjustable reading between the peak and the average. Consequently, the most appropricate image at the desired focus can be obtained even when the contrast for the subject varies within a wide range.
The iris auto-close function protects imagers and optical filters from extreme highlights when power is off.
Before using this product, please read the instruction manual thoroughly to enable optional operation.

(1) FUNCTION OF PARTS

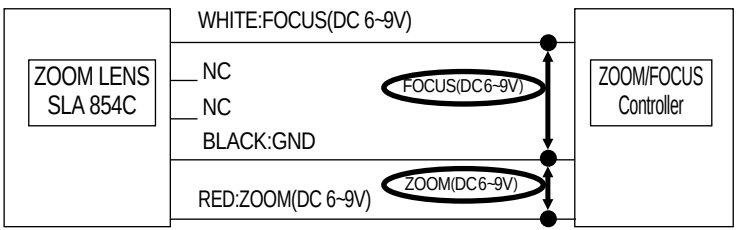


(1) CABLE CONNECTION

①CABLE 3LINE:IRIS CONTROL



②5PIN PLUG:ZOOM/FOCUS CONTROL

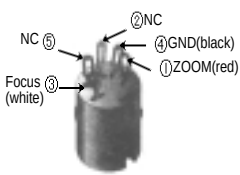


ZOOM DIRECTION

	TELE	WIDE
BLACK	–	+
RED	+	–

FOCUS DIRECTION

	FAR	NEAR
WHITE	–	+
BLACK	+	–



■ NOTICE

- Be sure to check DC 6~9V for the input power of zoom and focus.
- Do not use the excessive input power in order to fasten focus and zoom speed. There would be an electrical hazards.
- Please check that the controller 's output voltage is DC 6~9V before install.

(3) SPECIFICATIONS

FOCAL LENGTH	8.568mm
MAX APERTURE RATIO	1:1.4(TELE END 1:1.8)
IRIS	AUTO IRIS 1.4 ~CLOSE
OBJECT DISTANCE	1.2m ~ ∞
OPTICAL BACK FOCAL LENGTH	11.69mm(IN AIR)
FLANGE BACK FOCAL LENGTH	17.526mm
OPERATING TEMPERATURE	-10 °C ~+50 °C
FOCUS	POWER (MOTORIZED) / **DC 6~9V**
ZOOM	POWER (MOTORIZED) / **DC 6~9V**

ANGLE OF VIEW(USING 1/2 INCH CAMERA)

	8.5mm(WIDE)	68mm(TELE)
DIAGONAL	52.3 °	6.6 °
HORIZONTAL	41.9 °	5.4 °
VERTICAL	31.5 °	4.1 °

FILTER SCREW	M49.0 P0.75
WEIGHT	370g
PHOTOMETRIC SYSTEM	AVERAGE TO PEAK PHOTOMETERIC LEVEL, CONT INUOUSLY VARIABLE TYPE (AT SHIPPING TIME)
IRIS INPUT VOLTAGE (CAMERA OUTPUT VOLTAGE)	DC 8V ~ 16V
INPUT SIGNAL	VIDEO SIGNAL OR COMPOSITE VIDEO SIGNAL
IRIS ACCURACY	±20% AT V SIGNAL LEVEL
SENSITIVITY	V SIGNAL LEVEL TO 0.5 ~ 1.0Vpp
INPUT IMPEDANCE	HIGH IMPEDANCE
IRIS OPERATING TIME	APPROXIMATELY 3.0 SECONDS
MOUNT	C-MOUNT

(4) PHOTOMETRIC ADJUSTMENT(ALC)

Adjustment is not necessary for normal use because the unit is set for the average width of most appropriate photometric range at the factory before it is shipped. When the monitor seems high contrast, perform the adjustment procedures indicated below in the ALC mode. Turn the internal ALC adjustment with a small screw driver until the optimal screen image is obtained.

PICTURE ON MONITOR	ALC ADJUSTMENT DIRECTION
Extremely high contrast	Pk direction(counter-clockwise)
Extremely low contrast	Av direction(clockwise)

Adjust the screen image to the optimal level following the SENSITIVITY ADJUSTMENT(LEVEL) mentioned after.

(5) SENSITIVITY ADJUSTMENT(LEVEL)

Adjustment is not necessary for normal use because the video signal level is adjusted for standard condition at the factory before it is shipped.

Perform the following procedures when it is necessary to readjust the sensitivity for specific camera or subject conditions.

Turn the internal LEVEL adjustment with a small screw driver until the optimal screen image is obtained.

MONITOR SCREEN	VR ADJUSTMENT DIRECTION
The image is light	L direction(clockwise)
The image is dark	H direction(counter-clockwise)

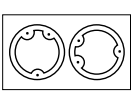
Improper adjustment of video signal level, sensitivity level to compensate for extremely high or low contrast picture quality may result in an erratic operation of the automatic lens function.

(6) LENS MOUNT

When you find any difficulty in connecting the cable between the lens and camera, adjust the position of the lens cable as follows;

① Fit the lens onto the mounting screw of the camera and turn the lens clockwise until it is completely stopped at the end.

② Then turn it counter-clockwise for the desired position.
It allows the rotation angle to be maximum 340°if dismounting is not required.



(7) FLANGE BACK ADJUSTMENT

Usually it is not necessary to move the flange back because it is adjusted at the factory before it is shipped. Perform the following procedures if the zoom lens focus is incorrect in the telescope and wide-angle positions.

① Release the iris.

② Loosen the screws that secure the flange back.

③ Move the zoom lens to the telescope position.

④ Take a picture of an object 3m away from the camera. The focus should operate correctly. Test the fine patterns of the object.

⑤ Set the zoom lens to the wide-angle position.

⑥ Turn the flange back adjustment pin and focus on the same object that was used in step ④.

⑦ Adjust the focus from the telescope to the wide-angle. Repeat steps ③ to ⑥ until the focus is correct in both positions.

⑧ Tighten the flange back screw securely.

These procedures complete the flange back adjustment.

Once the flange back has been adjusted, further readjustment is not necessary.

♦ SALES NETWORK ♦

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