



SAMSUNG AUTO IRIS LENS FOR CCD CAMERA OPERATING INSTRUCTIONS

The SLA-12240 is a CCD camera lens with automatic iris function, electronically controlled by DC signals, and optical 20X zoom. Distant objects can be zoomed in and focused for clear images with a simple operation of a switch. The photometric system, designed to provide continuous adjustable readings between peak and average values, provides optimum image quality even in conditions where the contrast of the object changes in a wide range. When power is cut off, the iris is automatically closed to protect the product from strong light.



Samsung Techwin cares for the environment at all product manufacturing stages to preserve the environment, and is taking a number of steps to provide customers with more environment-friendly products. The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Motorized 20X Zoom Lens SLA-12240 User Guide

Before installing and operating this product, please read this manual thoroughly.

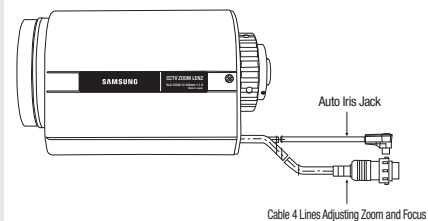
ENGLISH

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* Specifications are subject to change without prior notice.

1. Product appearance

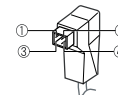


2. Lens Connection

- 1) Mount the lens turning it clockwise onto the camera mount.
- 2) Turn the lens clockwise until it stops.
- 3) As lens mount is constructed to be rotatable, please adjust the lens attitude, if necessary. Turn the lens counterclockwise slowly till it gets the best attitude.
- 4) Connect the cable correctly

● LINE BOUNDS

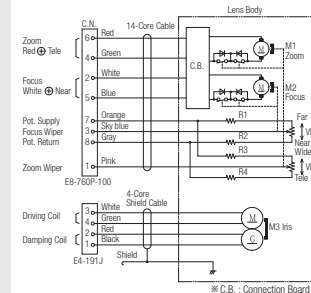
- ① Black : Damping (-)
- ② Red : Damping (+)
- ③ White : Drive (+)
- ④ Green : Drive (-)



3. Focusing of Zoom Lens

- 1) Move the zoom to the extremal Tele position.
 - 2) Operate the Focus switch to focus on the object.
 - 3) Move the zoom to extremely Wide position, and make sure to find the clearness of the image.
 - 4) Again move the zoom to get the view angle of the desired object.
- * Even after the process of (1) to (3), if the image is not clear, it may be necessary to adjust the Flange back of the camera.

4. Circuit Diagram

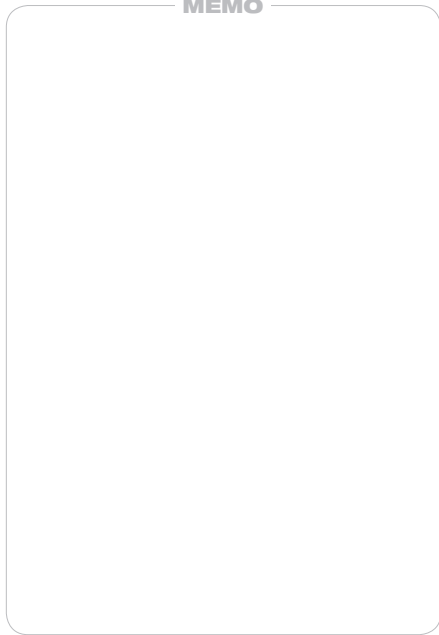


R1, R2, R3, R4	1kΩ ± 1% 0.1W
VR1, VR2	5kΩ ± 15% 0.2W

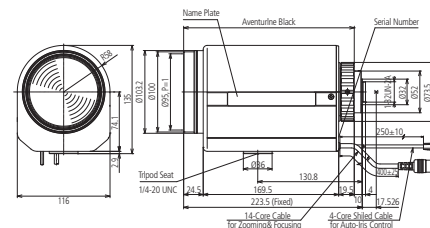
5. Specification

		SLA-12240
CCD		1/2"
Iris Type		Auto Iris(DC)
Object Distance		2.8m-∞
Zoom		20X
Mount		C-Mount
Focal Length		12~240mm(0.47°~9.45°)
Max. Aperture Ratio		F1.6
Angle of View	Diagonal	38.9°~1.9°
	Horizontal	30.8°~1.6°
	Vertical	23°~1.2°
Operation	Iris	F1.6~F720
	Focus	1.2m-∞
	Zoom	12~240mm(0.47°~9.45°)
Control	Iris	3.3V
	Focus	6~12V DC
	Zoom	6~12V DC
Back Focal Length		19.82mm(0.78")
Flange Back Length		17.526mm(0.69")
Presets		Built-in
Input Signal		DC signal
Sensitivity Adjustment		0.5V(p-p)~1.0V(p-p) (Video Signal)
Operating Temperature		-10°C~+50°C
Dimensions(WxHxD)		116x135x223.5mm (4.57"x5.31"x8.8")
Weight		2.6Kg(5.73 lb)

MEMO



6. Dimension



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DECLARATION OF CONFORMITY

Application of Council Directive(s)	89 / 336 / EEC
Manufacturer's Name	SAMSUNG TECHWIN CO., LTD
Manufacturer's Address	SAMSUNG TECHWIN CO., LTD 42, SUNGJU-DONG CHANGWON-CITY, KYUNGNAM, KOREA, 641-716
European Representative Name	
European Representative Address	
Equipment Type/Environment	Motorized 20X Zoom Lens
Model Name	SLA-12240
Beginning Serial NO.	J202001
Year of Manufacture	2009. 9. 1
Conformance to	EN 55022 : 1988 Class A EN 501304 : 1995 / A1 : 1988

We, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s).

Manufacturer	SAMSUNG TECHWIN CO., LTD	Legal Representative in Europe
Signature	<i>[Signature]</i>	Signature
Full Name	BONJENG JU	Full Name
Position	QUALITY CONTROL MANAGER	Position
Place	CHANGWON, KOREA	Place
Date	2009. 9. 1	Date