

INSTRUCTION MANUAL

CCTV 27X ZOOM LENS

GL-3M1027A

This series of 27X zoom lenses are designed to provide high magnification, compact size and light weight, and, are driven by electric motors for zooming and focusing, and by galvanometrical-servomotor for auto-iris.

Please read this Instruction Manual and handle properly for maximum durability and optimum performance.

Specification

Model	GL-3M1027A	
Image Format	1/2"	
Focal Length	10 - 270 mm	
Iris Range	F 3.5	
Angle Field of View	Tele	Wide
	Horizontal	1.5°
	Vertical	1.1°
	Diagonal	1.8°
Composition Lens Group/Element	14G/19E	
Effective Diameter	Front	φ 69.0 mm
	Rear	φ 10.0 mm
Back Focal Length	24.58 mm (in Air)	
Exit Pupil	- 93.36 mm	
Filter Size	M77mm P=0.75	
Mount	C	
Dimension, mm	207.2(L) x 88(W) x 90.5(H)	
Weight, grams	2050	
Focus Control	Operation	driven by motor
	Minimum Distance	1.5 m
	Control Voltage	DC12V
Zoom Control	Operation	driven by motor
	Control Voltage	DC12V
Iris Control	Operation	Auto Iris w/AMP
	Control Voltage	DC8-16V

Installation on Camera

This series of zoom lenses are installed to C-mount of cameras by screwing it clockwise. Once the lens is screwed to the mechanical stop position, you can rotate the lens 350° and you can set the lens up at the required position.

Iris

1) Sensitivity Adjustment:

The video signal level is continuously adjustable from low(left) to high (right). At the time of shipment, it is set at a standard level. If the brightness of the monitor screen does not appear natural, please adjust the level as instructed below.

Monitor Screen	Rotation of LEVEL Volume
to make brighter	clockwise
to make darker	counter-clockwise

2) Light Measurement Adjustment:

The light measurement method is continuously adjustable from average light metering(right) to peak light metering(left). At the time of shipment, it is set at average light metering which is suitable for wider applications.

Selection of Measuring Method	Rotation of ALC Volume
to set the brighter subject on the screen as standard	clockwise
to set the average level of the subject on the screen as standard	counter-clockwise

The most optimum monitor screen is set-up by operating ALC and LEVEL alternately a few times.

Cable Connection

1) 3-core Cable for Auto Iris

Red	+ 12V
White	Video
Black	GND

2) 4-core Cable for Focus / Zoom Control

Black	Focus	(+)	Far to Near	(-)	Near to Far
Green	Focus	(-)	Far to Near	(+)	Near to Far
Yellow	Zoom	(+)	Wide to Tele	(-)	Tele to Wide
Red	Zoom	(-)	Wide to Tele	(+)	Tele to Wide

To ensure long term satisfaction

- 1) Avoid a touch to the lens surface. Use brush or blower to remove dust from the lens surface.
- 2) To clean dirt or fingerprint on the lens surface, put a drop of cleaning solution on the lens-cleaning paper or on the cotton cloth and wipe off gently. It is strictly prohibited to use an organic solvent such as benzene or thinner.