

INSTRUCTION MANUAL

CCTV 10X ZOOM LENS GL-A80Z10C/GL-A60Z10C

This series of 10X zoom lenses are designed to provide high magnification, compact size and light weight, and, are driven by electric motors for zooming and focusing.

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

Specification

Model	GL-A80Z10C	GL-A60Z10C			
Image Format	1/2"	1/3"			
Focal Length	8-80 mm	6-60 mm			
Iris Range	F 1.6-360	F 1.4-360			
Angle Field of View	Tele	Wide	Tele	Wide	
	Horizontal	4.6°	43.4°	4.6°	43.4°
	Vertical	3.5°	32.8°	3.5°	32.8°
	Diagonal	5.7°	54.3°	5.7°	54.3°
Composition Lens Group/Element	12G/14E	12G/14E			
Effective Diameter	Front	∅ 40 mm	∅ 40 mm		
	Rear	∅ 12.8 mm	∅ 12.8 mm		
Back Focal Length	16.49mm (in Air)	12.98mm (in Air)			
Exit Pupil	123.8 mm	30.35 mm			
Filter Size	M49mm P=0.75	M49mm P=0.75			
Mount	C	C			
Dimension, mm	103.5 (L) x 65 (W) x 68.5 (H)				
Weight, grams	430	450			
Focus Control	Operation	driven by motor			
	Minimum Distance	1.0 m			
	Control Voltage	DC6-12V			
Zoom Control	Operation	driven by motor			
	Control Voltage	DC6-12V			
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 benzine or thinner.