

## CCTV LENS OWNER'S MANUAL

LIRC0308CS, LIRC1040CS, LIRC2811CS

Thank you for purchasing our Aspherical CCTV Lenses. These new auto iris lenses are used to produce consistent video signals from cameras that view scenes with varying light levels. The use of auto iris lenses enables reliable monitoring in areas, which would otherwise be compromised. In order to understand the lens specification and performance, please read this manual.

### IR Lens

These lenses are designed to have the same focal point in the IR light range as in the visible light range. Since there is no focus shift in any lighting condition, the lens is ideal for use with Day/Night cameras. However, as the depth of field in the IR range is very narrow, focus adjustment should be done very carefully. So, when you install the lens with IR illumination, please check your focus setting in both visible light and IR light.

### MOUNT-TYPE

Your new AMERICAN DYNAMICS Lens is equipped with a CS mount. Before you use the lens, please make sure that the mount type matches that of your camera.

### INSTALLATION ON CAMERA

The lens is installed by screwing it clockwise into the mount on the CCTV camera. Once the lens is screwed in completely to its mechanical stop position, you will then be able to rotate lens chassis back to suit the set-up position of the camera.

### WIRING DIAGRAM

Please read the User's Manual for the devices such as the camera and controller before wiring. Then please follow the chart below to insure the right connection.

Cable		Supplied with 4Pin Square Connector (JEITA)	
Yellow	Control (+)	1	Control (+)
Orange	Control (-)	2	Control (-)
Red	Drive (+)	3	Drive (+)
Black	Drive (-)	4	Drive (-)

### IRIS

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If the camera has a selection switch between Video and DC, please set it DC.

### TO INSURE LONG TERM USE

- ❖ Please remove dust on the lens by using a blower or soft brush. Avoid touching the lens surface.
- ❖ In order to remove fingerprints or oil stains on the lens surface, use lens cleaning paper or clean cotton cloth with a little cleaning liquid. Then, wipe off the stains lightly starting from the center of the lens surface. Please wipe the lens body with a silicon cloth. Avoid using any organic solvents such as thinner or benzene.

Thank you for using American Dynamics products. We support our products through an extensive worldwide network of dealers. The dealer through whom you originally purchased this product is your point of contact if you need service or support. Our dealers are empowered to provide the very best in customer service and support.



Dealers should contact American Dynamics at (800) 507-6268 or (561) 912-6259 or on the Web at [www.americandynamics.net](http://www.americandynamics.net).

## IR lens





Model		LIRC0308CS	LIRC2811CS	LIRC1040CS
Imager Size		1/3"		
Focal Length		3-8mm	2.8-11mm	10-40mm
Aperture		F1.0-360	F1.4-360	F1.4-360
Angle of view (Horizontal x Vertical)	Wide	90.8°×66.6°	97.4°×72.4°	27.6°×20.4°
	Tele	36.2°×27.0°	26.2°×19.7°	7.0°×5.3°
Back Focus(in air)		Wide: 8.36mm Tele: 14.12mm	8.66-18.69mm	18.61mm-12.17mm
Mount Type		CS		
Dimensions(mm)		33x40.2	40x54.6	39 x 67
Operation Voltage(V)		Open: 4.0V Close: 0.7V	Open: 3.3V Close: 0.7V	Open: 3.0V Close: 0.5V

## AMERICAN DYNAMICS Safety Precautions










These precautionary statements are classified into two levels of danger depending on the content and grade of elements that comprise the product.

	If the user does not obey these instructions and misuses the product, serious injury or loss of life may occur.		If the user does not obey these instructions and misuses the product, serious injury and/or property damage may occur.
Warning !		Caution !	












The following symbols are used in these precautionary statements.

	This symbol warns that an electrical current is present and electric shock may occur.		This symbol means that you should not disassemble the product.
Shock !		Do not !	
	This is a fire hazard symbol that means there is the possibility of igniting fire.		This symbol means that you should pay attention to certain handling procedures.
Fire !		Direction !	

## WARNING

Don't disassemble the unit or try to put any foreign substance in it, especially metal of flammable matter. Doing so could cause electric shock and/or fire.		Don't scratch, open, twist or heat the connector cable because doing so may cause fire and/or electric shock.		Don't attempt to use product if you suspect something isn't right as in seeing smoke or detecting a strange smell. If you use the product under these conditions fire and/or electric shock could occur.	
Please keep the unit away from water. If water should get inside the unit, stop using immediately, otherwise electric shock and/or fire may occur.		If the connector cable is cracked or damaged, please exchange it by writing to with an exchange request. If you continue to use the damaged cable, fire and/or electric shock may result.		Don't look through the lens directly at the sun since this could cause blindness.	
Don't place the unit near extreme heat, flame or gas since combustion may occur resulting in fire.		Don't try to repair the unit or any power source since that may cause fire and/or electric shock.		Keep the product out of the reach of children. If the product fell on a child, injury could occur.	

## CAUTION

Don't place the product in locations with extremely high or low temperatures. Don't use the product in areas that are hotter than 60 degrees Centigrade or colder than -10 degrees Centigrade. Such extremes will effect the quality performance of the product and could damage it.		Don't plug in or pull out the cable to or from an electrical outlet with wet hands. This may result in electric shock.		Don't place the product near a stove or humidifier or any place where there is high heat or moisture. Fire and/or electric shock may occur.	
Don't point the lens directly at the sun or other strong light since that could damage the image sensor on the camera and result in poor image quality.		When attaching the lens to the camera body, make sure you grip it securely to avoid the possibility of the lens falling and becoming damaged.		If you going to connect the product with another product, please read the connection instructions from both product manuals carefully before attempting any connection. Otherwise damage may result to one or both products.	
Don't drop or hit the product forcefully. This may cause product performance failure.		When storing the lens, keep it out of direct sunlight. Fire could occur as a result of the light being reflected off the lens onto a flammable substance.		If you going to use a lens that has a tripod mount but are using a camera body that is heavier than the lens, please use the tripod mount on the camera. Failure to do so could result in severe damage to the lens.	
Don't place the connector cable next to a heater since it could melt and cause fire and/or electric shock.		Don't place in dusty and humid place. Fire and/or electric shock may occur.			

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