



Auto Iris Lenses



Manual Iris Lenses



**IR Corrected,
Auto Iris Lenses**

Lenses

Features That Make a Difference:

- 1/3" and 1/2" formats
- Fixed or vari-focal lengths available
- Slip clutch on lens for easy mounting (auto and manual lenses only)
- Color-corrected optics for clear, true images (auto and manual lenses only)
- Advanced optical design eliminates shifts of focus in near infrared range (infrared models only)
- High quality, compact designs
- All lenses include CS mounts

American Dynamics offers a wide range of lenses ensuring that, no matter the application, there is a lens available to suit your need. All of our high quality, compact lenses are specially designed to deliver the best picture quality possible when used with the comprehensive line of American Dynamics cameras.

Auto Iris Lenses

Designed to produce consistent video signals from cameras in applications with varying light levels, American Dynamics auto iris lenses offer high contrast, fast signal response, color corrected optics, and low geometric distortion. Auto iris lenses enable reliable monitoring in areas where light levels are unpredictable.

This series of auto iris lenses relies upon the circuitry contained within suitably equipped cameras that produce a DC output. This circuitry will, in turn, adjust the lens iris accordingly. Auto iris lenses, combined with American Dynamics cameras, offer a value-driven alternative to traditional auto iris lenses.

Manual Iris Lenses

Our manual iris lenses provide a solution for applications where scene and lighting requirements are relatively stable. This provides a budget-friendly option for use with electronic shutter-equipped cameras.

Modern CCD imagers place new demands on lens performance in terms of resolution, contrast, and geometric distortion. All American Dynamics manual iris lenses provide high contrast, fast signal response, and high quality color-corrected optics.

IR Corrected, Auto Iris Lenses

American Dynamics infrared lenses are designed to compensate for variations between infrared and visible light conditions providing you with consistently sharp images in a variety of applications. When used with American Dynamics True Day/Night cameras these lenses provide high performance video surveillance.

The built-in slip mount mechanism enables you to rotate the lenses even after mounting on cameras for the ultimate in flexibility. The special multi-layer coating design prevents transmittance fall-off in the infrared range and is applied to minimize ghosting and flare typically caused by backlit scenes. This provides superior picture performance even in dimly lit conditions or when infrared illumination is in use.

1/3 INCH LENS COMPARISON TABLE

Lens Type	Model Number	Focal Length	Aperature (F-stop)	View Angle		Minimum Object Distance	Size (Diameter x Length)	Weight
				Horizontal	Vertical			
AUTO IRIS								
VARI-FOCAL	LD35814CS	3.5 to 8 mm	f1.4 to 360°	77.5° to 35.4°	57.6° x 26.6°	0.40 m (1.31 ft)	42.6 x 43.5 mm (1.67 x 1.71 in)	48 g (1.71 oz)
	ADCLVF3212DC	2.8 to 12 mm	f1.3 to 360°	98.2° to 23.8°	73.6° x 17.8°	0.30 m (0.98 ft)	37.5 x 56 mm (1.48 x 2.20 in)	69 g (2.40 oz)
	LD55013CS	5 to 50 mm	f1.3 to 360°	51.8° to 5.60°	39.2° x 4.30°	0.80 m (2.62 ft)	57.5 x 57.7 mm (2.26 x 2.27 in)	140 g (4.94 oz)
FIXED-FOCAL	LD2616CS	2.6 mm	f1.6 to 360°	98.7°	74.9°	0.10 m (0.32 ft)	32 x 34.7 mm (1.26 x 1.37 in)	47 g (1.66 oz)
	LD0412CS	4 mm	f1.2 to 360°	63.9°	49.1°	0.20 m (0.65 ft)	32 x 33 mm (1.26 x 1.30 in)	38 g (1.34 oz)
	LD0812CS	8 mm	f1.2 to 360°	34.7°	25.9°	0.20 m (0.65 ft)	32 x 33 mm (1.26 x 1.30 in)	39 g (1.37oz)
MANUAL IRIS								
VARI-FOCAL	L35814CS	3.5 to 8 mm	f1.4 to C	77.5° to 35.4°	57.6° x 26.6°	0.40 m (1.31 ft)	34 x 43.5 mm (1.34 x 1.71 in)	38 g (1.34 oz)
	ADCLVF3212MI	2.8 to 12 mm	f1.3 to C	9.28° to 23.8°	73.6° x 17.8°	0.30 m (0.98 ft)	40.7 x 56 mm (1.60 x 2.21 in)	64 g (2.27 oz)
	L55013CS	5 to 50 mm	f1.3 to C	51.5° to 5.60°	39.2° x 4.3°	0.80 m (2.62 ft)	47 x 57.7 mm (1.85 x 2.27 in)	150 g (5.30 oz)
FIXED-FOCAL	L2616CS	2.6 mm	f1.3 to 11C	98.7°	74.9°	0.10 m (0.32 ft)	34.5 x 34.7 mm (1.36 x 1.37 in)	45 g (1.59 oz)
IR CORRECTED, AUTO IRIS								
VARI-FOCAL	LIRC0308CS	3.0 to 8 mm	f1.0 to 360	90.8° to 36.2°	66.6° x 27.0°	0.20 m (0.65 ft)	33 x 47 mm (1.30 x 1.85 in)	47 g (1.66 oz)
	LIRC2811CS	2.8 to 11 mm	f1.4 to 360	97.4° to 26.2°	72.4° x 19.7°	0.30 m (0.98 ft)	40 x 62.8 mm (1.57 x 2.47 in)	87 g (3.07 oz)
	LIRC1040CS	10 to 40 mm	f1.4 to 360	27.6° to 7.0°	20.4° x 5.3°	0.40 m (1.31 ft)	43 x 71 mm (1.69 x 2.80 in)	87 g (3.07 oz)

1/2 INCH LENS COMPARISON TABLE

AUTO IRIS								
VARI-FOCAL	LD41016CS	4.5 to 10 mm	f1.6 to 360	81.3° to 36.2°	60.4° x 28.7°	0.30 m (0.98 ft)	42.6 x 43.5 mm (1.67 x 1.71 in)	50 g (1.75 oz)
FIXED-FOCAL	LD3616CS	3.6 mm	f1.6 to 360	99.2°	74.1°	0.20 m (0.65 ft)	32 x 33 mm (1.26 x 1.30 in)	40g (1.40 oz)
	LD0614CS	6.0 mm	f1.4 to 360	58.3°	44.3°	0.20 m (0.65 ft)	32 x 33 mm (1.26 x 1.30 in)	37 g (1.30 oz)
MANUAL IRIS								
VARI-FOCAL	L41016CS	5 to 50 mm	f1.6 to C	81.3° to 38.2°	60.4° x 28.7°	0.30 m (0.98 ft)	45 x 54.6 mm (1.77 x 2.15 in)	40 g (1.41 oz)
FIXED-FOCAL	L1214CS	5 to 50 mm	1.4 to 16C	30.4°	22.7°	0.30 m (0.98 ft)	34.5 x 33 mm (1.36 x 1.30 in)	33 g (1.16 oz)

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