

Quality Lenses for the Security and CCTV Industries

1/3", 1/2", 2/3" and 1" Formats



National Electronics has a complete offering of quality CCTV lenses. Our auto iris lenses used in conjunction with cameras that view scenes in shifting lighting conditions can generate a quality consistent video signal. The use of auto iris lenses enables continual monitoring in extreme lighting conditions.

Features:

- *1/3"-inch format*
- *1/2"-inch format*
- *2/3"-inch format*
- *1"-inch format*
- *C and CS mounts*
- *Color corrected optics*
- *High quality, compact design, competitive pricing*
- *Fixed and variable focal lengths*

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Manual Iris Mono-focal Lenses

Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount Type	Dimensions(mm)		Weight
								Diameter	Length 1 x Length 2	
NL284	1/3"	2.8mm	Manual	F1.4 ~ close	95.6 / -	0.2 m	CS	30.0 mm	x --- mm x 36.2 mm	54.5g
NL284L	1/3"	2.8mm	Fixed	F1.4	95.6 / -	0.2 m	CS	30.0 mm	x --- mm x 36.0 mm	58.4g
NL412	1/3"	4.0mm	Manual	F1.2 ~ close	65.1 / -	0.1 m	CS	30.0 mm	x --- mm x 32.5 mm	50.4g
NL412L	1/3"	4.0mm	Fixed	F1.2	65.1 / -	0.1 m	CS	30.0 mm	x --- mm x 32.5 mm	54.2g
NL812	1/3"	8.0mm	Manual	F1.2 ~ close	36.5 / -	0.3 m	CS	30.0 mm	x --- mm x 26.8 mm	41.1g
NL812L	1/3"	8.0mm	Fixed	F1.2	36.5 / -	0.3 m	CS	30.0 mm	x --- mm x 26.8 mm	45.0g
NL3.5-1.4	1/2"	3.5mm	Manual	F1.4 ~ close	94.6 / -	0.2 m	C	36.0 mm	x --- mm x 42.5 mm	93.4g
NL612	1/2"	6.0mm	Manual	F1.2 ~ close	57.1 / -	0.2 m	C	37.0 mm	x --- mm x 43.0 mm	108.5g
NL1212-LENS	1/2"	12.0mm	Manual	F1.2 ~ close	29.7 / -	0.3 m	C	37.0 mm	x --- mm x 34.5 mm	74.5g
NL8014N	2/3"	8.0mm	Fixed	F1.3	59.2 / -	0.2 m	C	36.0 mm	x --- mm x 20.0 mm	44.0g
NL1616N	2/3"	16.0mm	Fixed	F1.6	30.8 / -	0.3 m	C	41.3 mm	x --- mm x 28.5 mm	65.0g
NL1614	2/3"	16.0mm	Manual	F1.4 ~ close	30.3 / -	0.3 m	C	37.0 mm	x --- mm x 25.5 mm	57.4g
NL2514	1"	25.0mm	Manual	F1.4 ~ close	27.8 / -	0.5 m	C	45.0 mm	x --- mm x 28.0 mm	81.0g

Auto Iris Mono-focal Lenses

Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount Type	Dimensions(mm)		Weight
								Diameter	Length 1 x Length 2	
NL284WA	1/3"	2.8mm	Video	F1.4 ~ 360	95.6 / -	0.2 m	CS	29.0 mm	x 43.9 mm x 36.2 mm	63.3g
NL412WA	1/3"	4.0mm	Video	F1.2 ~ 360	65.1 / -	0.25 m	CS	29.0 mm	x 43.9 mm x 32.0 mm	55.4g
NL812WA	1/3"	8.0mm	Video	F1.2 ~ 360	36.5 / -	0.3 m	CS	32.0 mm	x 43.9 mm x 29.5 mm	48.4g
NL614C	1/2"	6.0mm	Video	F1.4 ~ 64	57.1 / -	0.2 m	C	33.5 mm	x 52.0 mm x 43.5 mm	107.5g
NL1214C	1/2"	12.0mm	Video	F1.4 ~ 64	29.6 / -	0.3 m	C	37.0 mm	x 52.0 mm x 33.1 mm	82.5g
NL5018WA	1"	50.0mm	Video	F1.8 ~ 360	14.8 / -	0.1 m	C	50.0 mm	x --- mm x 48.5 mm	168.0g
NL284WOA-C	1/3"	2.8mm	DD	F1.4 ~ 360	95.6 / -	0.2 m	CS	29.0 mm	x 43.9 mm x 36.2 mm	64.4g
NL412WOA-C	1/3"	4.0mm	DD	F1.2 ~ 360	65.1 / -	0.25 m	CS	29.0 mm	x 43.9 mm x 32.0 mm	55.3g
NL0812WOA-C	1/3"	8.0mm	DD	F1.2 ~ 360	36.5 / -	0.3 m	CS	32.0 mm	x 43.9 mm x 29.5 mm	49.5g
NL275WA	1/3"	2.8mm	Video	F0.75 ~ 360	97.2 / -	0.3 m	CS	43.0 mm	x 60.3 mm x 47.5 mm	125.8g
NL475WA	1/3"	4.0mm	Video	F0.75 ~ 360	70.2° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 56.5 mm	132.2g
NL675WA	1/3"	6.0mm	Video	F0.75 ~ 360	45.8° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 51.5 mm	127.6g

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Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount Type	Dimensions(mm)		Weight
								Diameter	x Length 1 x Length 2	
NL875WA	1/3"	8.0mm	Video	F0.75 ~ 360	34.5° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 47.0 mm	123.5g
NL275WOA-C	1/3"	2.8mm	DD	F0.75 ~ 360	97.2° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 47.5 mm	121.0g
NL475WOA-C	1/3"	4.0mm	DD	F0.75 ~ 360	70.2° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 56.5 mm	127.0g
NL675WOA-C	1/3"	6.0mm	DD	F0.75 ~ 360	45.8° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 51.5 mm	122.5g
NL875WOA-C	1/3"	8.0mm	DD	F0.75 ~ 360	34.5° / -	0.3 m	CS	43.0 mm	x 60.3 mm x 47.0 mm	118.5g

Vari-Focal Lenses

Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount Type	Dimensions(mm)		Weight
								Diameter	x Length 1 x Length 2	
NL358	1/3"	3.5 ~ 8.0mm	Manual	F1.4 ~ Close	73.8° / 35.0°	0.3 m	CS	37.6 mm	x --- mm x 48.1 mm	89.8g
NL358WA	1/3"	3.5 ~ 8.0mm	Video	F1.4 ~ 360	73.8° / 35.0°	0.3 m	CS	36.0 mm	x 47.1 mm x 48.1 mm	77.9g
NL358WOA-C	1/3"	3.5 ~ 8.0mm	DD	F1.4 ~ 360	73.8° / 35.0°	0.3 m	CS	36.0 mm	x 47.1 mm x 48.1 mm	76.6g
NL2510	1/3"	2.5 ~ 10mm	Manual	F1.4 ~ Close	105.8° / 28.3°	0.3 m	CS	48.0 mm	x --- mm x 60.0 mm	---g
NL2510WA	1/3"	2.5 ~ 10mm	Video	F1.4 ~ 360	105.8° / 28.3°	0.3 m	CS	48.0 mm	x 50.5 mm x 60.0 mm	---g
NL2510WOA-C	1/3"	2.5 ~ 10mm	DD	F1.4 ~ 360	105.8° / 28.3°	0.3 m	CS	48.0 mm	x 50.5 mm x 60.0 mm	---g
NL5533	1/3"	5.5 ~ 33mm	Manual	F1.6 ~ Close	50.1° / 8.7°	0.3 m	CS	42.0 mm	x --- mm x 54.5 mm	148.5g
NL5533WA	1/3"	5.5 ~ 33mm	Video	F1.6 ~ 360	50.1° / 8.7°	0.3 m	CS	42.0 mm	x 54.3 mm x 54.5 mm	146.0g
NL5533WOA-C	1/3"	5.5 ~ 33mm	DD	F1.6 ~ 360	50.1° / 8.7°	0.3 m	CS	42.0 mm	x 54.3 mm x 54.5 mm	144.5g
NL770	1/3"	7 ~ 70mm	Manual	F1.8 ~ Close	40.1° / 4.2°	0.3 - 1.0 mm	CS	48.0 mm	x 55.0 mm x 82.2 mm	199.5g
NL770WA	1/3"	7 ~ 70mm	Video	F1.8 ~ 360	40.1° / 4.2°	0.3 - 1.0 mm	CS	48.0 mm	x 55.0 mm x 82.2 mm	205.0g
NL770WOA-C	1/3"	7 ~ 70mm	DD	F1.8 ~ 360	40.1° / 4.2°	0.3 - 1.0 mm	CS	48.0 mm	x 55.0 mm x 82.2 mm	201.5g

Motorized Zoom Lenses

Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount Type	Dimensions(mm)		Weight
								Diameter	x Length 1 x Length 2	
NL6X6MAWOA	1/3"	6.0 ~ 36.0mm	DD	F1.4 ~ 360	43.6° / 7.7°	1.3 m	CS	58.0 mm	x 66.0 mm x 66.0 mm	295.0g
NL6X6MEA	1/3"	6.0 ~ 36.0mm	Video	F1.4 ~ 360	43.6° / 7.7°	1.3 m	CS	59.0 mm	x 73.0 mm x 66.0 mm	345.0g
NL12X6MAWOA	1/3"	6.0 ~ 72.0mm	DD	F1.2 ~ 360	43.7° / 4.0°	1.5 m	CS	66.0 mm	x 82.5 mm x 103.5 mm	570.0g

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							Type	Diameter	Length 1		Length 2
NL12X6MEA	1/3"	6.0 ~ 72.0mm	Video	F1.2 ~ 360	43.7° / 4.0°	1.5 m	CS	66.0 mm	82.5 mm	103.5 mm	640.0g
NL8X80MEA	1/2"	8.0 ~ 80.0mm	Video	F1.2 ~ 360	42.9° / 4.6°	1.5 m	C	77.0 mm	91.3 mm	120.0 mm	930.0g
NL10X200MEA	1/2"	10.0 ~ 200.0mm	Video	F1.8 ~ 360	35.7° / 1.9°	1.5 m	C	78.0 mm	92.0 mm	159.5 mm	880.0g
NL10X11MEA	2/3"	11.0 ~ 200.0mm	Video	F1.8 ~ 360	45.0° / 4.6°	1.3 m	C	118.0 mm	91.0 mm	140.5 mm	1220.0g
NL16X160MEAP	1"	16.0 ~ 160.0mm	Video	F2.0 ~ 360	43.4° / 4.6°	1.5 m	C	118.0 mm	91.0 mm	165.0 mm	1340.0g

Manual Zoom Lenses

Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount			Weight	
							Type	Diameter	Length 1		Length 2
NLMZ13A5M	2/3"	12.5 ~ 75mm	Manual	F1.8 ~ Close	38.7° / 6.6°	1.0 m	C	54.4 mm	---	100.5 mm	368.0g

Pinhole Lenses

Product Code	Lens Format	Focal Length	Iris Type	Iris Range	Viewing Angle Wide / Tele	Min Obj Distance	Mount			Weight	
							Type	Diameter	Length 1		Length 2
NL404	1/3"	4.0mm	Manual	F2 ~ Close	59.9° / -	0.4 m	CS	34.0 mm	---	72.3 mm	69.3g
NL04210PSWOA-C	1/3"	4.0mm	DD	F2 ~ 64	59.9° / -	1.3 m	CS	17.0 mm	52.0 mm	72.3 mm	109.5g

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