

Lenses




Megapixel varifocal lenses






- ✓ 1/1.8", 1/2" and 1/2.7" CCTV lens
- ✓ C & CS mount
- ✓ Up to 8 MP
- ✓ Various focal ranges
- ✓ IR corrected
- ✓ High quality glass optics
- ✓ P iris, DC iris or manual iris
- ✓ Manual varifocal
- ✓ Manual focus
- ✓ Smooth adjustment of focus and zoom
- ✓ Operating temperature up to -20 °C to +60 °C

Lenses

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DC iris	RL0560	RL5100	VL33	VL-XT288	VL39
					
Format	1/2.7"	1/2.7"	1/2.7"	1/2.7"	1/2.7"
Mount	CS	CS	CS	CS	CS
Iris	DC iris	DC iris	DC iris	DC iris	DC iris
Resolution	2 MP	2 MP	3 MP	3 MP	3 MP
Aspherical	IR-corrected	IR-corrected	IR-corrected	IR-corrected	IR-corrected
Aperture	F1.6	F1.6	F1.3	F1.2	F1.2
Focal length range	5.0 - 60.0 mm	5.0 - 100.0 mm	2.8 - 8.0 mm	2.8 - 8.0 mm	2.8 - 10.0 mm
Horizontal FOV - 16:9	50.0° - 5.4°	50.0° - 3.6°	125.6° - 42.2°	124.3° - 43.0°	154.0° - 39.0°
- 4:3	45.7° - 5.0°	45.7° - 3.3°	112.3° - 38.5°		
Operating temperature	-20 to +60 °C	-20 to +60 °C	-10 to +50 °C	-20 to +60 °C	-10 to +50 °C
Storage temperature	-30 to +70 °C	-30 to +70 °C	-20 to +60 °C	-30 to +70 °C	-20 to +60 °C
Weight	175 g	175 g	60 g	70 g	66 g

DC iris	RL2812	RL3105	RL0722	VL-XT850	VL34
					
Format	1/2.7"	1/2.7"	1/2.7"	1/2.7"	1/2"
Mount	CS	CS	CS	CS	C
Iris	DC iris	DC iris	DC iris	DC iris	DC iris
Resolution	3 MP	3 MP	3 MP	3 MP	3 MP
Aspherical	IR-corrected	IR-corrected	IR-corrected	IR-corrected	IR-corrected
Aperture	F1.4	F1.4	F1.4	F1.6	F1.6
Focal length range	2.8 - 12 mm	3.0 - 10.5 mm	7.0 - 22.0 mm	8.0 - 50.0 mm	8.0 - 80.0 mm
Horizontal FOV - 16:9	104.3° - 36.0°	105.6° - 28.4°	39.8° - 16.8°	40.3° - 6.7°	49.4° - 5.1°
- 4:3	94.2° - 33.0°		36.0° - 15.6°		44.3° - 4.4°
Operating temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-10 to +50 °C
Storage temperature	-30 to +70 °C	-30 to +70 °C	-30 to +70 °C	-30 to +70 °C	-20 to +60 °C
Weight	40 g	60 g	39 g	106 g	180 g

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DC iris VL18D-125x500 VL18D-41x90



Format	1/1.8"	1/1.8"
Mount	C	CS
Iris	DC iris	DC iris
Resolution	5 MP	6 MP/4k
Aspherical	IR-corrected	IR-corrected
Aperture	F1.6	F1.6
Focal length range	12.5 - 50.0 mm	4.1 - 9.0 mm
Horizontal FOV - 16:9 - 4:3	32.5° - 8.1°	109.2° - 49.2° 100.1° - 45.2°
Operating temperature	-10 to +50 °C	-10 to +50 °C
Storage temperature	-20 to +60 °C	-20 to +60 °C
Weight	175 g	135 g

P iris RL2812P RL0560P RL1250P



Format	1/2.7"	1/2.7"	1/1.8"
Mount	CS	CS	CS
Iris	P iris	P iris	P iris
Resolution	3 MP	2 MP	3 MP
Aspherical	IR	IR	IR
Aperture	F1.4	F1.6	F1.5
Focal length range	2.8 - 12.0 mm	5.0 - 60.0 mm	12.0 - 50.0 mm
Horizontal FOV - 16:9 - 4:3	104.3° - 36.0° 94.2° - 33.0°	50.0° - 5.4° 45.7° - 5.0°	33.0° - 8.6°
Operating temperature	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
Storage temperature	-30 to +70 °C	-30 to +70 °C	-30 to +70 °C
Weight	40 g	175 g	123 g

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Manual iris

VL38



Format	1/1.8"
Mount	CS
Iris	Manual
Resolution	3 MP
Aspherical	IR
Aperture	F1.4
Focal length range	2.8 - 12.0 mm
Horizontal FOV - 16:9	105.3° - 35.3°
- 4:3	100.1° - 32.6°
Operating temperature	-10 to +50 °C
Storage temperature	-20 to +60 °C
Weight	148 g

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Compatibility

	BC820V2	BC822 BC822A	BC822A-HSE	BC860	BC1103-2	BC880	BC840-PID BC840-MC	BC840-PID-XT
RL0560		✓			✓		✓	✓
RL0560P	✓			✓				
RL0722		✓			✓		✓	✓
RL1250P	✓			✓				
RL2812		✓			✓		✓	✓
RL2812P	✓			✓				
RL3105		✓			✓		✓	✓
RL5100		✓			✓		✓	✓
VL18D-125x500		✓	✓		✓	✓	✓	
VL18D-41x90		✓	✓		✓	✓	✓	
VL33		✓			✓		✓	
VL34		✓			✓		✓	
VL38		✓			✓		✓	
VL39		✓			✓		✓	
VL-XT288		✓			✓		✓	✓
VL-XT850		✓			✓		✓	✓

Ordering information

RL0560	Lens, 1/2.7 inch, 5.0-60.0 mm, F1.6, DC iris, IR-corrected, 2MP
RL0560P	Lens, 1/2.7 inch, 5.0-60.0 mm, F1.6, P iris, IR-corrected, 3MP
RL0722	Lens, 1/2.7 inch, 7.0-22.0 mm, F1.4, DC iris, IR-corrected, 3MP
RL1250P	Lens, 1/1.8 inch, 12.0-50.0 mm, F1.5, P iris, IR-corrected, 3MP
RL2812	Lens, 1/2.7 inch, 2.8-12.0 mm, F1.4, DC iris, IR-corrected, 3MP
RL2812P	Lens, 1/2.7 inch, 2.8-12.0 mm, F1.4, P iris, IR-corrected, 3MP
RL3105	Lens, 1/2.7 inch, 3.0-10.5 mm, F1.4, DC iris, IR-corrected, 3MP
RL5100	Lens, 1/2.7 inch, 5.0-100.0 mm, F1.6, DC iris, IR-corrected, 2MP
VL18D-125x500	Lens, 1/1.8 inch, 12.5-50 mm, F1.6, DC iris, IR-corrected, 6MP/4k
VL18D-41x90	Lens, 1/1.8 inch, 4.1-9.0 mm, F1.6, DC iris, IR-corrected, 6MP/4k
VL33	Lens, 1/2.7 inch, 2.8-8.0 mm, F1.3, DC iris, IR-corrected, 3MP
VL34	Lens, 1/2 inch, 8.0-80.0 mm, F1.6, DC iris, IR-corrected, 3MP
VL38	Lens, 1/1.8 inch, 4.5-13.2 mm, F1.8, Manual iris, IR-corrected, 5MP
VL39	Lens, 1/2.7 inch, 2.8-10.0 mm, F1.2, DC iris, IR-corrected, 3MP
VL-XT288	Lens, 1/2.7 inch, 2.8-8.0 mm, F1.2, DC iris, IR-corrected, temp.hardened, 3MP
VL-XT850	Lens, 1/2.7 inch, 8.0-50.0 mm, F1.6, DC iris, IR-corrected, temp.hardened, 3MP



The quality management system used in the development, production, sales, and support of this product is ISO 9001 certified by LRQA.

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