

Standard **FUCHSIA** SWIR Lens Assemblies

StingRay's flagship SWIR family is employed by countless end users in a multitude of commercial, research, and defense applications. The Fuchsia Series™ offers unrivaled value as well as a multitude of configurations to choose from. Each focal length is offered in two styles making them suitable for everything from laboratories to fielded environments. Lens accessories such as adapters, extension rings, and filter holders transform our lenses into veritable multi-tools, universally compatible with a wide array of commercially available cameras. Every lens in this series employs SWIR specific materials and coatings, resulting in maximized transmission and chromatic performance that outpaces the rest of the industry's baseline SWIR offerings.

Part Number	Focal Length	Optimized Waveband	Maximum Aperture	Image Diameter	Interface	Features
SR2343-A01	25mm	0.9-1.7µm	F/1.4	21mm	c-mount	1, 2, 11, 12, 21
SR3715-A01	25mm	0.9-1.7µm	F/1.8	21mm	c-mount	2, 21
SR1596-A01	25mm	0.9-1.7µm	F/1.4	21mm	c-mount	11, 12, 13, 14
SR2041-A01	75mm	0.7-1.7µm	F/1.4	21mm	c-mount	1, 2, 11, 12, 21
SR3713-A01	13mm	0.9-1.7µm	F/1.4	12.3mm	c-mount	13, 14, 16, 21

FEATURES

1. Manual Iris	7. Motorized Filter Wheel	13. Fixed Focus	19. Macro
2. Manual Focus	8. Active Athermalization	14. Fixed Aperture	20. Fully Closed Iris
3. Manual FOV	9. Controller Board	15. Passive Athermalization	21. Focus Lock
4. Motorized Iris	10. Base Plate	16. Ruggedized	22. Catadioptric
5. Motorized Focus	11. Filter Holders	17. DLC Coating	23. Telecentric
6. Motorized FOV	12. Adapters Available	18. Fisheye Style	

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Standard SWIR Lens Assemblies

Always keeping the customer’s imaging needs in mind, StingRay has identified the demand for an affordable, high performing line of SWIR zoom lenses. Our designers have struck an incredible balance between cost and performance with the new FireAnt Series™. Achromatically corrected from 0.9-1.7µm and supporting up to 21mm format FPA’s, these zooms are compatible with a wide array of commercially available InGaAs cameras. Current options include a 25-250mm F/2 and 30-300mm F/4 with new versions on the horizon!

Part Number	Focal Length	Optimized Waveband	F #	Image Diameter	Interface	Features
SR2939-A01	25-250mm	0.9-1.7µm	F/2.0	21mm	M42x1mm/c-mount	1, 2, 3, 11, 12, 21
SR3073-A01	25-250mm	0.9-1.7µm	F/2.0	21mm	M42x1mm/c-mount	4, 5, 6, 11, 12
SR3356-A01	30-300mm	0.9-1.7µm	F/4.0	21mm	c-mount	4, 5, 6, 12
SR3579-A01	50-500mm	0.9-1.7µm	F/4.0	21mm	c-mount	4, 5, 6, 12

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3. Manual FOV	9. Controller Board	15. Passive Athermalization	21. Focus Lock
4. Motorized Iris	10. Base Plate	16. Ruggedized	22. Catadioptric
5. Motorized Focus	11. Filter Holders	17. DLC Coating	23. Telecentric
6. Motorized FOV	12. Adapters Available	18. Fisheye Style	

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Standard

Vis-SWIR Lens Assemblies

We recognize that sensor materials are becoming more and more capable, so lens manufacturers have to pull their weight as well! The StingRay GhostSight Series™ is a testament to that effort. A commercially available line of lenses corrected for performance and throughput in both the visible and shortwave spectrums simultaneously, this family of lenses allows users to harvest every available photon that their sensor can detect.

Part Number	Focal Length	Optimized Waveband	Maximum Aperture	Image Diameter	Interface	Features
SR2813-A01	25mm	0.45-1.7µm	F/1.4	21mm	c-mount	1, 2, 11, 12
SR2537-A01	25mm	0.48-2.5µm	F/1.3	12mm	c-mount	11, 12, 13, 14, 23
SR2534-A01	25mm	0.48-2.5µm	F/1.3	12mm	c-mount	1, 2, 11, 12, 21, 23
SR2814-A01	50mm	0.45-1.7µm	F/1.4	21mm	c-mount	1, 2, 11, 12
SR3529-A01	50mm	0.45-1.7µm	F/1.4	21mm	c-mount	11, 13, 14, 21
SR2313-A01	100mm	0.45-1.7µm	F/1.5	21mm	c-mount	1, 2, 11, 12
SR3331-A01	200mm	0.4-1.7µm	F/1.5	21mm	M42 x 1mm	1, 2, 11, 12, 22

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1. Manual Iris	7. Motorized Filter Wheel	13. Fixed Focus	19. Macro
2. Manual Focus	8. Active Athermalization	14. Fixed Aperture	20. Fully Closed Iris
3. Manual FOV	9. Controller Board	15. Passive Athermalization	21. Focus Lock
4. Motorized Iris	10. Base Plate	16. Ruggedized	22. Catadioptric
5. Motorized Focus	11. Filter Holders	17. DLC Coating	23. Telecentric
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