

Standard MWIR Lens Assemblies

Developed with an emphasis on performance and price, our StingRay Ruby Series™ lenses are achromatically corrected from 3-5μm, offer a 1" cold shield height, an F/2.3 collecting aperture, and are suitable for use with up to 21mm diagonal image formats.

This series is ideal for F/2.3, F/2.5, or F/4.0 cameras. All focal lengths include manual focus with lock and the IR industry's standard bayonet mount.

Part Number	Focal Length	Optimized Waveband	F #	Image Diameter	Interface	Features
SR2782-A01	13mm	3-5μm	F/2.3	21mm	bayonet	2, 21
SR3562-A01	180°HFOV	3-5μm	F/2.3	21mm	bayonet	2, 21
SR0786-A01	25mm	3-5μm	F/2.3	21mm	bayonet	2, 21
SR0808-A01	50mm	3-5μm	F/2.3	21mm	bayonet	2, 11, 21
SR0809-A01	100mm	3-5μm	F/2.3	21mm	bayonet	2, 11, 21
SR2402-A01	200mm	3-5μm	F/2.3	21mm	bayonet	2, 11, 21
SR3226-A01	50-250mm	3.3-5μm	F/2.3	21mm	bayonet	5, 6, 8, 9, 10

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	

ALL LENSES ARE EAR99

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The StingRay VAPIR™ line of lenses are specifically optimized for gas imaging cameras and cores to offer the highest sensitivity (F/1.5) of any commercially available MWIR lens offerings.

Corrected and optimized specifically for the narrowband where gas emissions are observable, standard fixed focal lengths are offered in manual and motorized focus configurations. A lightweight, passively athermalized, fixed focus series ideal for unmanned platforms is also available.

Part Number	Focal Length	Optimized Waveband	F #	Image Diameter	Interface	Features
SR1832-A01	25mm	3.2-3.7µm	F/1.5	20mm	bayonet	2, 21
SR3366-A01	25mm	3.2-3.7µm	F/1.5	20mm	threaded	13, 14, 15, 16
SR3961-A01	50mm	3.2-3.7µm	F/1.5	12.3mm	threaded	13, 14, 15, 16
SR4875-A01	50mm	3.2-3.7µm	F/1.5	12.3mm	bayonet	2, 21
SR1834-A01	100mm	3.2-3.7µm	F/1.5	20mm	bayonet	2, 21

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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
6. Motorized FOV	12. Adapters Available	18. Fisheye Style	

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Standard **nightcrawlr** MWIR Lens Assemblies



The StingRay NightCrawlr™ series represents a revolution in cost and performance in the HD MWIR lens market. Building on decades of heritage in the midwave infrared market, G&H Keene presents a no-compromise approach to conquering today’s demanding thermal imaging requirements.

Purpose-built from the ground up for the demands of high-resolution applications, our NightCrawlr™ series utilizes unique aperture-specific foreoptics and a modular base to maximize performance without breaking the budget. Each lens in the series is ruggedized for tactical application with a sealed front lens flange interface and additional features for convenient payload, enclosure, and Dewar installation.

Adaptable for power supplies from 12v- 24v. Commands configurable to RS232 or RS422.

Part Number	Focal Length	Optimized Waveband	F#	Image Diameter	Interface	Features
SR3884-A01	18-430mm	3.5-5µm	F/5.5	12.3mm	Flange	5, 6, 8, 9, 16
SR3820-A01	16.5-330mm	3.4-5µm	F/4	16.4mm	Flange	5, 6, 8, 9, 16
SR3821-A01	21-420mm	3.4-5µm	F/4	16.4mm	Flange	5, 6, 8, 9, 16
SR3822-A01	33-660mm	3.4-5µm	F/4	16.4mm	Flange	5, 6, 8, 9, 16
SR3823-A01	42-850mm	3.4-5µm	F/4	16.4mm	Flange	5, 6, 8, 9, 16
SR3748-A01	100-1000mm	3.4-5µm	F/4	16.4mm	Flange	5, 6, 8, 9, 10, 16

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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