

Stream ColorFlow Lens™

Hyperspectral for the rest of us.



The Stream ColorFlow Lens™ is based on a unique combination of precision optics and thin film technology that enables a single snapshot to contain multiple spectral bands. Using an off-the-shelf monochrome camera, instantly capture the scene and use our software to analyze the image against built-in or custom spectral algorithms to identify target chemicals or nutrients as false colored images.



Features & Benefits

- ✓ No moving parts
- ✓ No power (passive optics)
- ✓ Visible and near infra-red (VNIR)
- ✓ Analysis software included
- ✓ Real-time results
- ✓ Standard 'C-mount' connection
- ✓ Works with machine vision cameras
- ✓ Multi-channel snapshot
- ✓ Custom spectral band configuration
- ✓ Support for various sensor sizes



Technical Specifications (default configuration)

Spectral range	VNIR	Peak (est)	FWHM (est)	Custom channel configuration available. Other sensor sizes supported.
		Channels	10	
Weight	2 Kg	473 nm	38 nm	Custom channel configuration available. Other sensor sizes supported.
		514 nm	42 nm	
Aperture	f/5	542 nm	22 nm	
		581 nm	60 nm	
Field of view	6°	621 nm	31 nm	
		660 nm	52 nm	
Camera compatibility	C-mount, 4/3" sensor	701 nm	31 nm	
		751 nm	65 nm	
		831 nm	94 nm	



Software Included

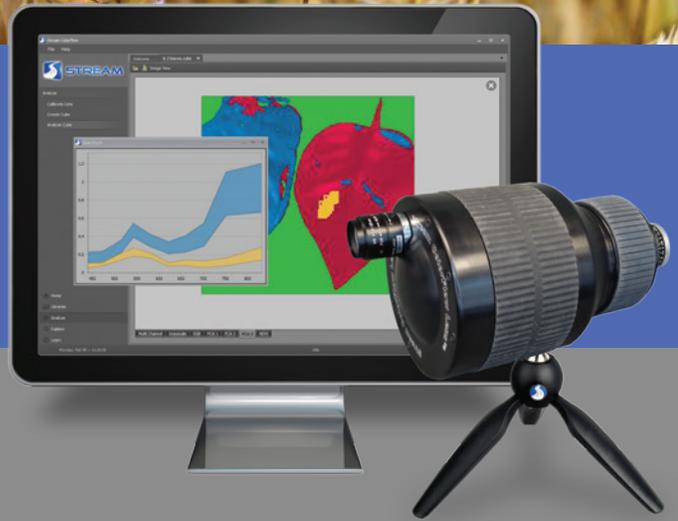
Our software makes it easy to integrate the ColorFlow Lens™ with third party cameras, create data cubes, and analyze them using built-in spectral algorithms and tools, including PCA and NDVI. Additionally, we can help to implement your own algorithm that can be published to our marketplace where you can earn licensing revenue. We've done the heavy lifting so you don't have to. Just click and go.





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Stream's ColorFlow Lens™ and analytics software let you identify chemicals, nutrients or impurities that are important to your specific application--in real-time. Use a default or custom spectral band lens configuration (VNIR) to analyze your scene in a single snapshot against spectral algorithms such as NDVI and PCA, or have our machine learning teams develop an algorithm just for you.

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capture.

The Stream ColorFlow Lens™ attaches to C-mount cameras allowing you to capture the scene within multiple spectral bands in a single snapshot. Resulting data cubes are analyzed and false colored pixels identify target components. Point-and-shoot simple.



analyze.

Use popular spectral algorithms or have our algorithm development teams build a custom algorithm specific to your target and application. Once added to your private profile, use our software and its built-in tools to analyze your target in subsequent field samples.



collaborate.

Stream's ColorFlow Software™ is designed with the utmost flexibility in mind. Customize with your company logo, add employees, clients or members, and share your assets for team collaboration in the Stream Cloud™. We've done the heavy lifting so you don't have to.