

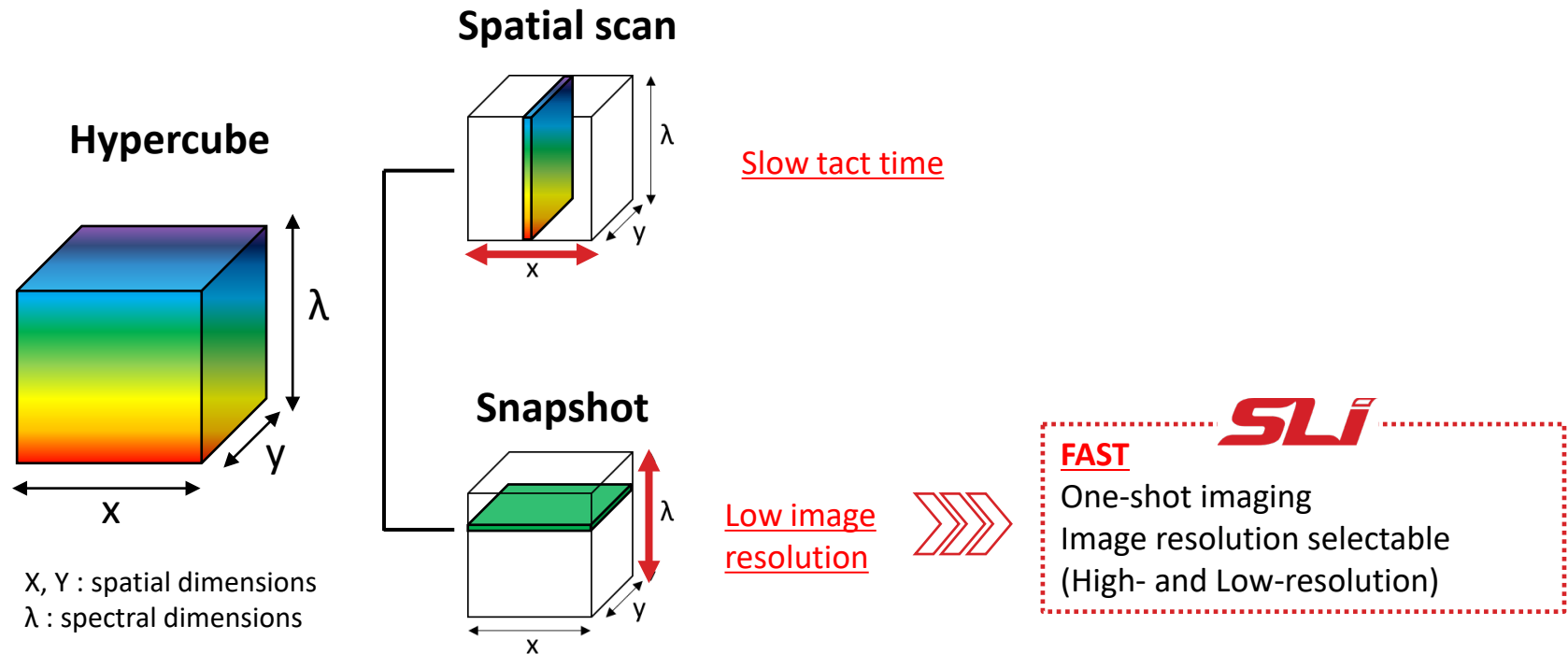
New innovative SLi's Hyperspectral camera.

Light Done Right!



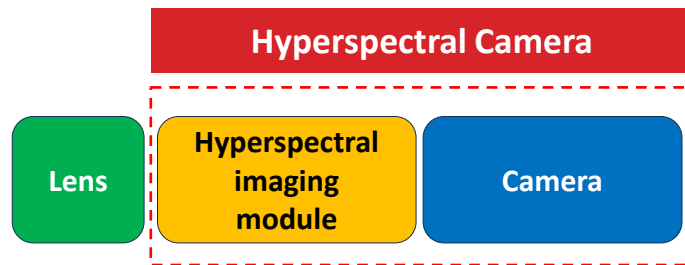
Hyperspectral imaging

A technique that captures and analyzes information from a broad range of wavelengths, enabling detailed spectral analysis and identification of materials and features.



Spectrolight's Hyperspectral camera

We provide a hyperspectral module that allows users to freely connect cameras and lenses in a customized manner.



Key Product advantages

* Customized products for user needs

1. **Lens**: Field of view(FOV)
2. **HSI module**: Wavelength range, Bandwidth
3. **Camera**: Resolution
4. **Device configuration**: Stand alone or module

Lens	Hyperspectral imaging module	Camera	Device
Various lens	<ol style="list-style-type: none">1. Wavelength range (255 – 1650 nm) → UV, VIS, IR, SWIR2. Bandwidth adjustable → 3 - 15 nm or 15 - 20 nm(nominal)	<ol style="list-style-type: none">1. CCD, CMOS (Visible range) → 1.7 – 20 MP2. InGaAs camera (900-1700 nm)3. SWIR camera (400-1700 nm) → 1.3 MP / 0.3 MP4. User's camera	<ol style="list-style-type: none">1. Stand alone2. module

Spectrolight's Hyperspectral camera

User-selectable freely-adjustable lenses with far- and near-field of view.

Strength 1. Adjustable Lens



Lens
(FOV narrow)



Lens
(FOV wide)



Spectrolight's Hyperspectral camera

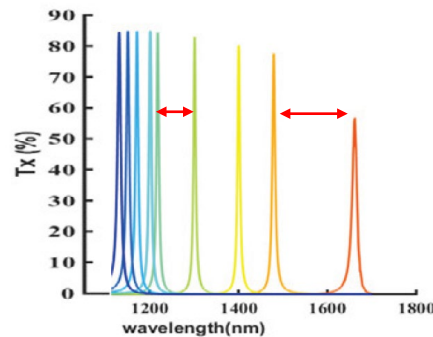
Spectrolight's Hyperspectral imaging module can accurately select center wavelength and constant scanning interval. The user can custom select the scanning interval at a bandwidth.

Strength 2. Accurate and adjustable bandwidth

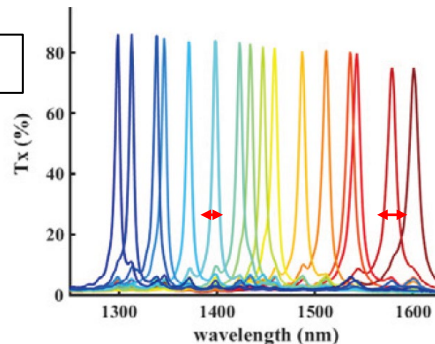
Hyperspectral camera

Irregular Interval & Fixed

Irregular interval



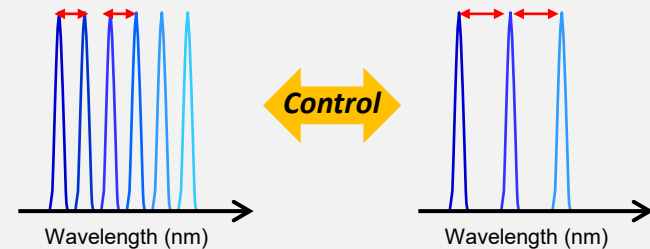
Irregular bandwidth



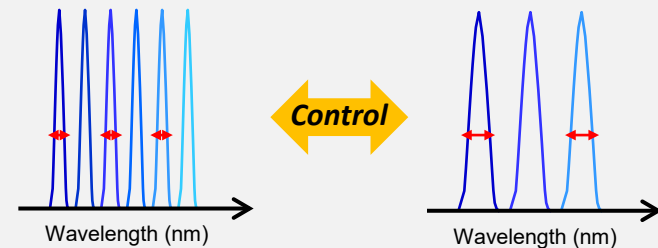
Hyperspectral imaging module

Regular Interval & Customized

Constant interval



Adjustable bandwidth

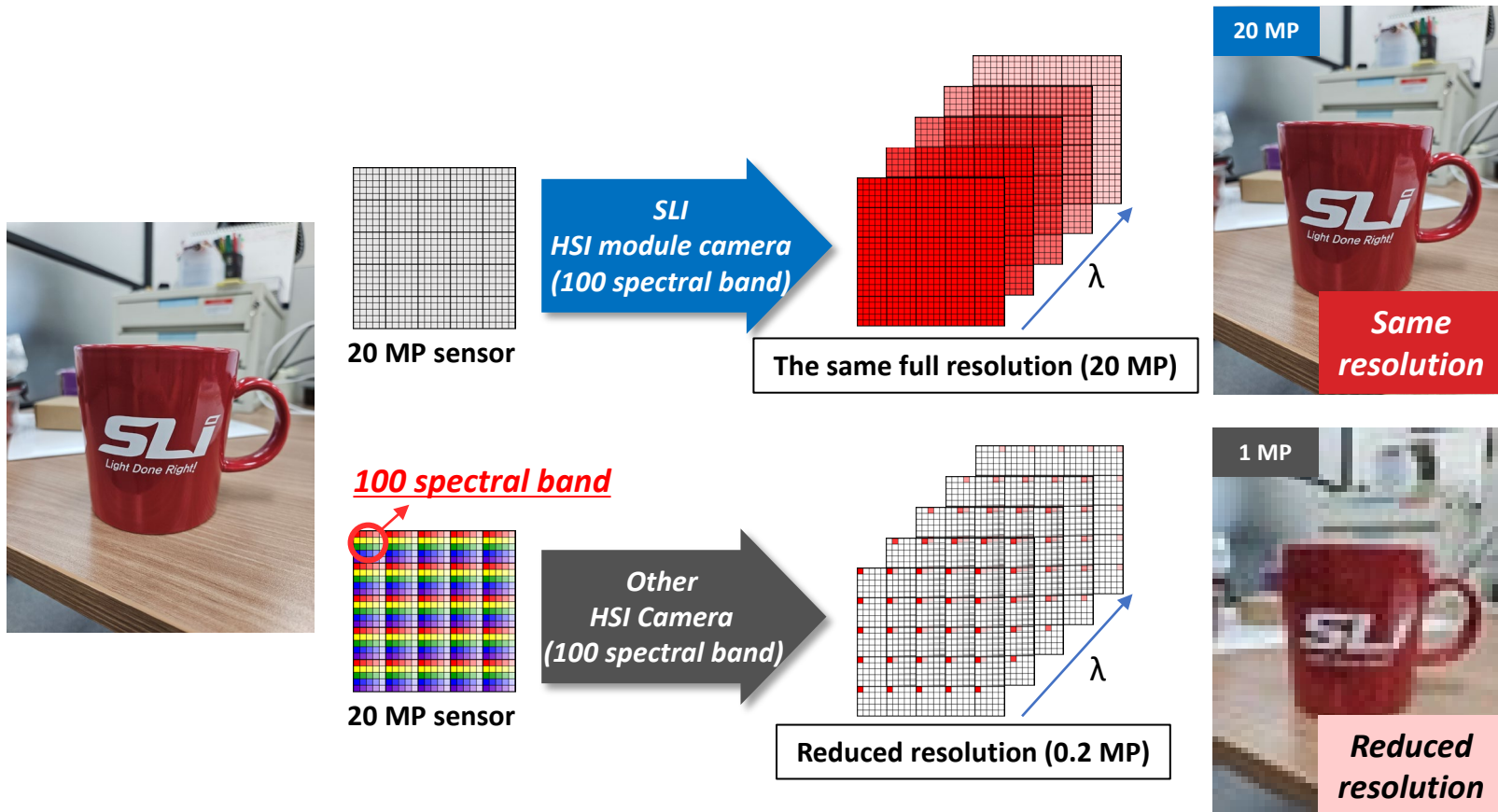


Reference : IMEC SPEC SHEET

Spectrolight's Hyperspectral camera

Spectrolight's Hyperspectral imaging module can produce the same image quality output and other HSI camera modules cannot replicate the same resolution as the original image.

Strength 3. Adjustable Image resolution



Spectrolight's Hyperspectral camera

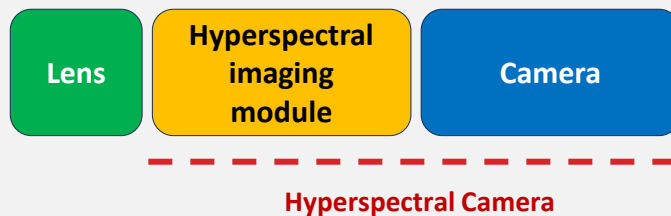
Spectrolight's Hyperspectral imaging module can be composed of individual parts or as one system according to the user's environment.

Strength 4. Device design

Option

1. Users can customize the Hyperspectral imaging system for their own equipment or environment.
 - Lens, Camera and Hyperspectral imaging module ETC.
2. The configured Hyperspectral imaging can be made as a module or stand alone according to the user's request.

Module



Stand alone





We provide Customized Improvements!

