

# Pika XC

400 to 1000 nm Spatial and Spectral Imager

The Pika XC is a high-performance imaging spectrometer for the 400 – 1,000 nm spectral range with excellent stray-light performance. This imaging spectrometer accommodates a 2/3 in. format (8.8 mm by 6.6 mm), C-mount camera for multiple application options.



## Imaging Spectrometer

The Pika XC is a high-performance, line-scan hyperspectral imager that creates a streaming image of pixel-by-pixel spectral data.

## Spectral Range

The Pika XC has a spectral range of 400 to 1000 nm. For longer wavelengths please see Resonon's Pika NIR.

## Multiple Camera Options

With an industry standard C-Mount interface, the Pika XC accepts 2/3 inch format cameras (8.8 mm by 6.6 mm), allowing for use with cooled, back illuminated, or high speed cameras.

## High-performance

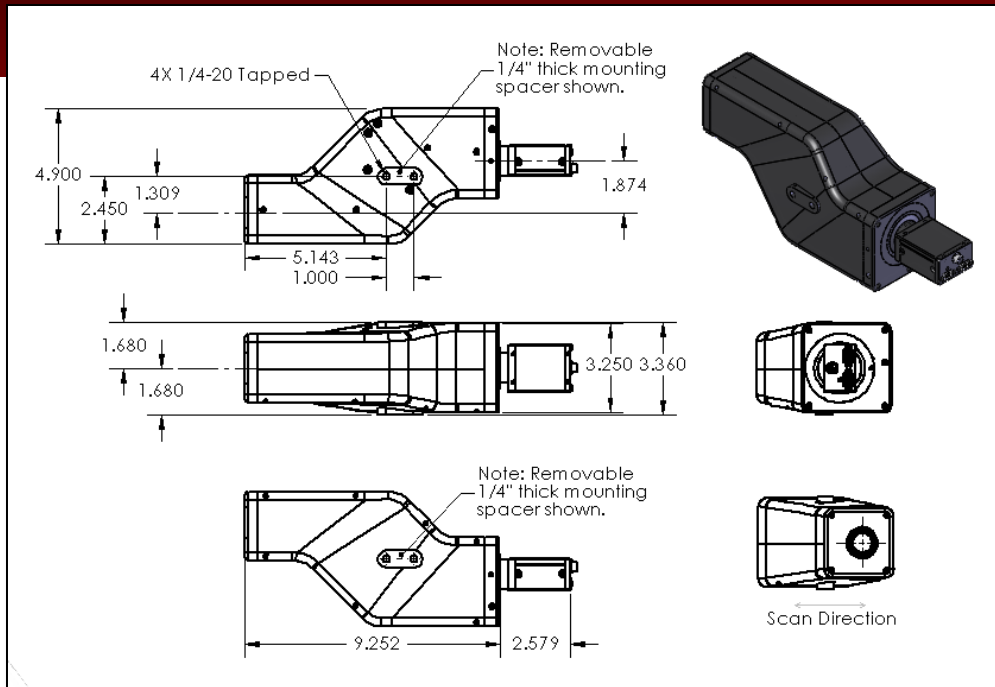
With an average RMS of 6  $\mu\text{m}$  average across all fields and wavelengths, and Smile and Keystone distortions well under a pixel, the Pika XC system is ideal for critical-needs applications.

## Plug and Play

SpectronPro data acquisition software is provided with the Pika XC, which integrates seamlessly with optional scanning systems.

## Adaptable

C-mount Schneider objective lenses make it easy to use the Pika XC for a wide range of applications. See Resonon's Objective Lens Datasheet for details.



**Pika XC Hyperspectral Imager**

## Specifications

### Performance<sup>1</sup>

Spectral Range <sup>2</sup>	400 nm to 1000 nm
Spectral Resolution <sup>3</sup>	2.4 nm
Objective lens interface	C-mount
Average RMS Spot Radius <sup>4</sup>	6 μm avg. all fields and wavelengths
Camera interface	C-mount
F/#	f/2.4
Smile (peak to peak)	< 1 pixel
Keystone (peak to peak)	< 1 pixel

### Physical Dimensions

Weight w/o camera	4.1 pounds (1.860 kgs)
Dimensions w/o lens	4.9 x 9.35 x 3.25 in. (124.5 x 237.5 x 82.5)

<sup>1</sup> Performance is dependent on camera used.

<sup>2</sup> Spectral range within +/- 5 nm.

<sup>3</sup> With 25 μm wide slit. Other slit options available.

<sup>4</sup> Performance is dependent on objective lens used.

## Contact

**RESONON**<sup>INC</sup>

### Resonon Hq

619 N. Church #3  
Bozeman, MT 59715, USA  
+1.406.586.3356

### Resonon East

649 Massachusetts Ave. #7  
Cambridge, MA 02139, USA  
+1.406.586.3356

### Online

[inquiry@resonon.com](mailto:inquiry@resonon.com)

<http://www.resonon.com>