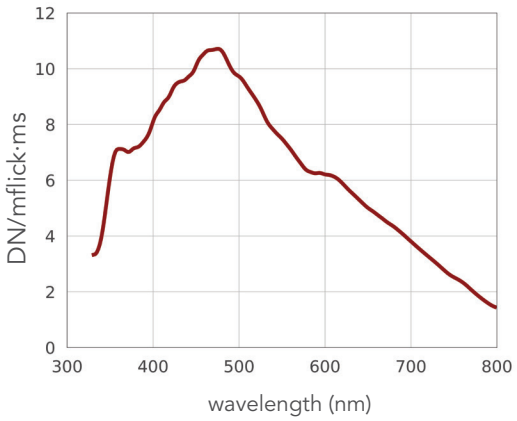
PIKA NUV2 HYPERSPECTRAL CAMERA

The Pika NUV2 is a line-scan hyperspectral camera that covers the near ultraviolet and visible spectral range (330 – 800 nm). The Pika NUV2 is the only ultraviolet + visible hyperspectral camera commercially available. It can be used with any of Resonon's benchtop, outdoor, and airborne systems, standalone with our software development kit, and integrated into machine vision systems.

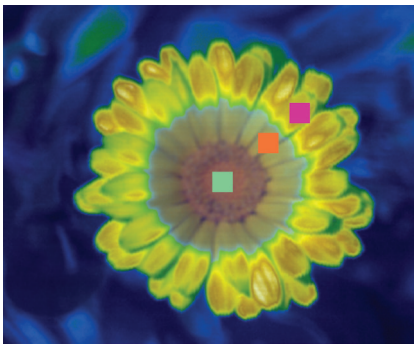
FEATURES

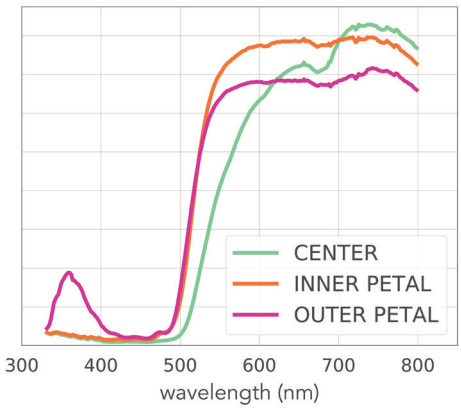
- Spectral Range: 330 – 800 nm
- 1500 Spatial Pixels Per Line
- 255 Spectral Channels Per Line
- Unique Ultraviolet Imaging

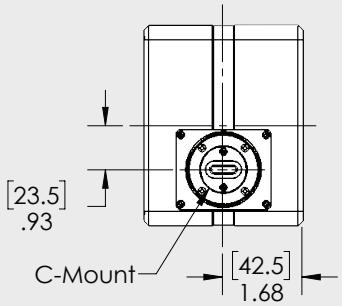
SPECTRAL RESPONSE

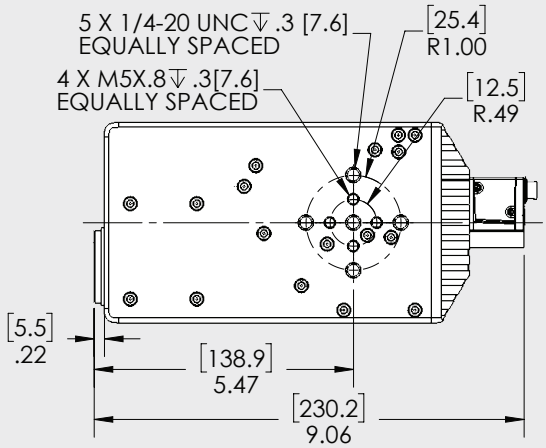


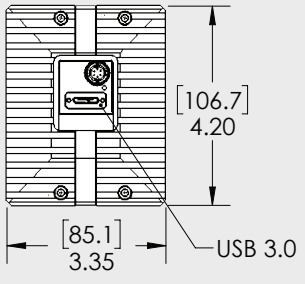
ACTUAL DATA











inquiry@resonon.com
WWW.RESONON.COM
+1.406.586.3356

+1.406.586.3356
inquiry@resonon.com
WWW.RESONON.COM

PIKA NUV2 SPECIFICATIONS

Spectral Range	330 - 800 nm
Spectral Channels[1]	255
Spectral Bandwidth	1.8 nm
Spectral Resolution (FWHM)	2.8 nm
Spatial Pixels per Line	1500
f/#	2.8
Dimensions	23.0 x 10.7 x 8.5 cm
Weight	2.29 kg
Power Requirements	3.4 W via USB
Max Frame Rate	142 fps
Interface	USB 3.0
Bit Depth	12
Pixel Size	5.86 µm
Peak SNR[2]	361
Binning	spectral and spatial available
Sensor Type	CMOS
Sensor Cooling	passive
Operating Temperature (non-condensing)	0 - 50 C
Recommended Temperature (non-condensing)	5 - 40 C
Objective Lens Mount	CS-mount
Objective Lens Field-of-View Options	8°, 21°
Software Development Kit	Windows, C++

[1] This is the number of spectral channels spanning 330 – 800 nm. The total number of spectral channels delivered by the Pika NUV2 is 270, with bands extending beyond both edges of the Spectral Range.

[2] This value obtained at minimum binning. SNR can be increased with spectral and spatial binning.

Sample data and hyperspectral analysis software are available for free download at downloads.resonon.com.

A C++ software development kit is available for direct control of our hyperspectral cameras.