

## Datasheet: imec CMV2K SSM5x5 665-960 sensor

<b>Imec sensor part nr.</b>	360-0001-01
<b>Bandpass filter type</b>	round glass designed for in-camera integration
- <b>Diameter</b>	25mm
- <b>Thickness</b>	1mm
<b>Detection range</b>	665 – 960 nm
- <b>Nr of samples</b>	24
<b>Central wavelengths</b>	668.7, 686.8, 700.1, 711.6, 728.0, 739.2, 752.3, 767.3, 780.7, 789.4, 804.5, 815.3, 828.3, 843.4, 852.9, 865.1, 879.4, 891.6, 899.8, 912.8, 922.2, 931.9, 942.4, 951.4
- <b>Max. avg. rel. deviation</b>	±0.8%
- <b>Max. rel. single band deviation</b>	±1.0%
<b>Camera category</b>	snapshot NIR
<b>Base imager</b>	AMS CMV2000
- <b>Spatial resolution</b>	2048x1088
- <b>Frame rate</b>	Up to 340 fps
- <b>Pixel pitch</b>	5.5 µm
- <b>Bit depth</b>	8 or 10 bit
<b>Spectral cube resolution</b>	2035x1075x24
<b>Status</b>	Active

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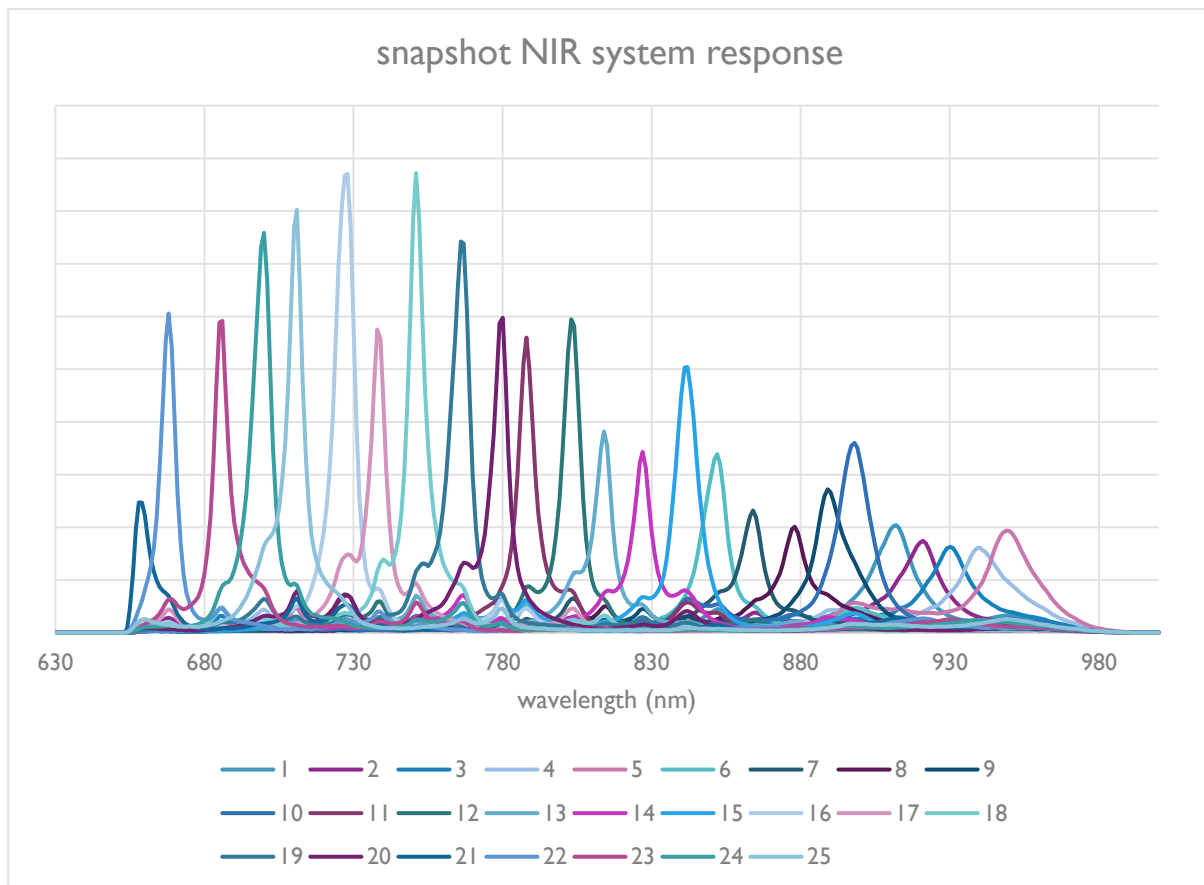


Figure 1: Example of a snapshot NIR system response graph

## Space qualification:

Our off-the-shelf sensors have not been designed for space applications and did not pass a complete space-qualification process according to f.i. ESCC specification. Contact us for custom sensor development with your specific qualification needs for use in space (export control license requirements may apply).

## More information

- [hsisales@imec.be](mailto:hsisales@imec.be)
- <http://www.imechyperspectral.com>

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