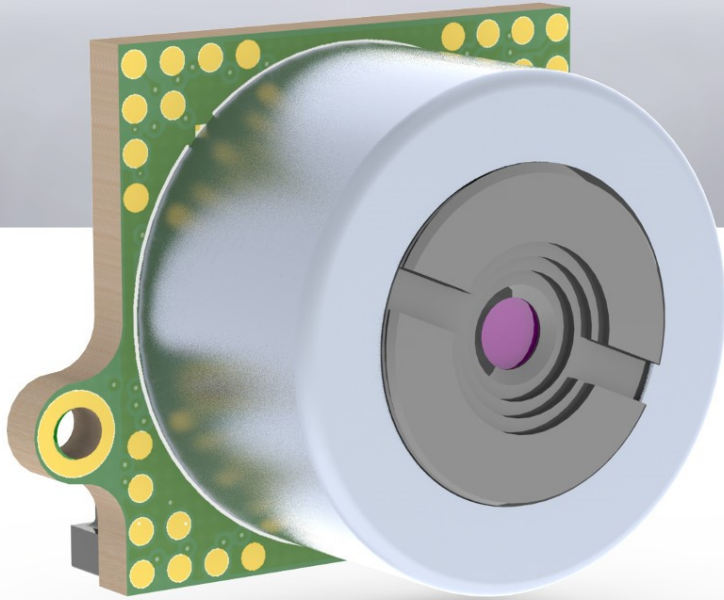
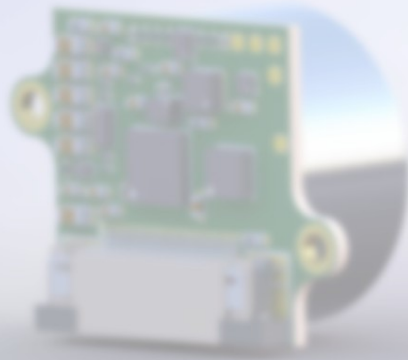


# VIGIL80<sup>®</sup>

## by Adv2S



### RADIOMETRIC SHUTTERLESS Module

Typ. ACCURACY  $\pm 0.3^{\circ}\text{C}$ <sup>①</sup>  
in front of  $37^{\circ}\text{C}$  BB @  $25^{\circ}\text{C}$

**HIGH VOLUME applications**

#### PERFORMANCE

Ambiant temperature min / max ( $^{\circ}\text{C}$ ) 5 / 50  
Std scene temperature min / max ( $^{\circ}\text{C}$ ) 0 / 120  
Higher scene temperature available upon request

Radiometric information All pixels  
Radiometric range ( $^{\circ}\text{C}$ ) [20 - 60]  
Temp. accuracy in radiometric range  $\pm 2^{\circ}\text{C}$

#### SENSOR

Format 80x80 pixels  
Spectral range 8 to 14  $\mu\text{m}$   
Field Of View  $60^{\circ}$   
Focal Distance (Fixed) 0.5m to inf.

Effective frame rate 30Hz  
NUC Shutterless

#### MECH. / ELEC. INTERFACE

PCB Board area  
- w/o mounting holes 16 x 16 mm<sup>2</sup>  
- with mounting holes 21 x 16 mm<sup>2</sup>

Output interface SPI  
Input voltages +5V, +3.3V, +1.8V  
Output connector FFC FLEX 18 pts



Demokit :  
USB2.0 MICROCAM  
&  
SPI adapter  
for Raspberry Pi



#### ORDERING INFORMATION

Radiometric Shuterless Module PN : VIGIL80-R  
Shutterless Module PN : VIGIL80-S

Contact address : [sales@adv2s.com](mailto:sales@adv2s.com)

Detailed technical specifications on demand  
Demonstration kit MicroCam & RPi available on demand

<sup>①</sup>With appropriate mechanical mounting and stable environment

