Table SI. *Technical details of the hyperspectral imager*

Parameter	Specified value	Remarks
Minimum object distance	>30 mm	The focal length is 9.3 ± 0.3 mm
Horizontal field of view	>36º	
Vertical field of view	>26º	
System focal length	9.3 ± 0.3 mm	Full custom lenses
Spectral resolution	9…40 nm @ FWHM	Pending on the used FPI air gap
Spectral step	<1 nm	By controlling the air gap of the FPI
F-number	<6.7	The f-number depends on FPI diameter.
Default spectral image dimensions	640 × 480 pixels	One physical pixel is 4 × 4 binned pixel of 2.2 × 2.2 μm pixels = 8.8 × 8.8 μm.
Maximum spectral image size	2,592 × 1,944 pixels	2.2 μ × 2.2 μm pixels, no binning
Dimensions	62 × 56 mm/66 × 140 mm/219 mm	Without/with the Macro 1&2 Optics
Weight	~ 450 g (camera only), 1.2 kg (handheld device)	

FWHM = full width half maximum
FPI = Fapry-Perot interferometer