





M32-14

# systemONE

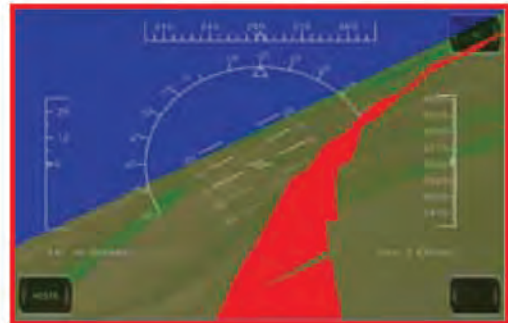
Just one system for Remote Sensing

systemONE-M32-14 is an image spectrometer operating in the VIS-NIR-SWIR range with a high resolution thermal channel. With systemONE-M32-14 it is possible to perform rapid 3D surveys of the territory, with simultaneous generation of Multispectral, Hyperspectral and Thermal maps for Precision Agriculture, Pollution, Cultural Heritage, Critical Infrastructures and Hydrogeological instability monitoring activities. systemONE-M32-14 is equipped with a specific mission and data management software.

## MISSION PLANNING



## MISSION ROLL-OUT



## SH: SENSOR HEAD



## ACU: ACQUISITION AND CONTROL UNIT



## SH SPECIFICATIONS:

Weight: 13 kg

Power Consumption: 8 Amp @ 12VDC

Dimensions: 400 x 330 x 490 mm

## ACU SPECIFICATIONS:

Weight: 7,5 kg

Power Consumption: 6 Amp @ 12VDC

Dimensions: 350 x 160 x 340 mm

## MULTISPECTRAL 21 CHANNELS SPECIFICATIONS

| Channel | Description | SPECTRAL RANGE |                 | OPTICS    |                   |     |           | SENSORS             |     |
|---------|-------------|----------------|-----------------|-----------|-------------------|-----|-----------|---------------------|-----|
|         |             | Min. Freq (nm) | Max. Freq. (nm) | Type      | Focal Length (mm) | f   | FOV       | Resolution (pixels) | bit |
| 1 - 8   | VIS/NIR     | 400            | 950             | Hyper     | 15                | 4   | H32° V27° | 2440*2050           | 12  |
| 9 - 19  | SWIR        | 950            | 1700            | Hyper     | 15                | 4   | H32° V27° | 640*512             | 14  |
| 20      | COL         | 420            | 650             | VIS       | 15                | 4   | H32° V27° | 2440*2050           | 24  |
| 21      | THERMAL     | 7 μm           | 14 μm           | 4 - 14 μm | 60 AF             | 1,1 | H11° V8°  | 640*480             | 16  |

