SisuSCS

SisuSCS - Single Core Scanner

The SisuSCS is the answer for the users who essentially need hyperspectral core imaging but produce a limited amount of cores per year.

The SisuSCS provides the same functionalities compared to full-scale SisuROCK but on a smaller scale. The small size makes it more portable and an ideal research tool for core like samples.

FAST AND RELIABLE

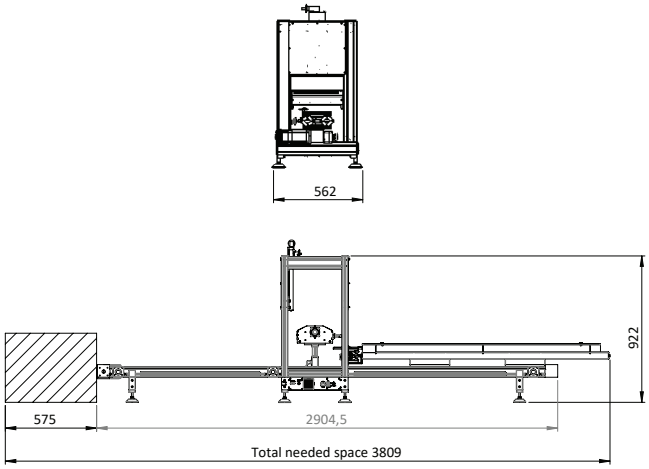
Data acquisition is done only once in a single scan motion; you will get all data of the full core area in digital format the first time you scan. Hyperspectral imaging of geological samples is a 100% repeatable method, giving the same complete results every day, every time.

COMPATIBILITY

SisuSCS is designed for the following cameras:

- SWIR

DIMENSIONS



Pixel size on target (for 50-120 mm target width)	0.13-0.31 mm (384 pixels)
Scan speed (for 120mm FOV)	31 mm/s (at 100 Hz camera speed)
Maximum framerate	450 fps
Max sample size (L x W x H)	130 x 1500 75 mm
System dimensions (L x W x H)	2904,5 x 562 x 922 mm
DAC/PC/Power supply stack dimensions (L x W x H)	300 x 200 x 331 mm
Overall system weight	SCS frame 93.5 kg | PC/PSU unit 40.0 kg
Cooling requirements	No external cooling required. Air-conditioned room recommended.
Operating conditions	Laboratory environment
Operating voltage	110 to 220 VAC (50/60Hz)
Power consumption	700 W
Output data format	Binary BIL data with separate ASCII format header, ENVI compatible
Camera output	16-bit
Instrumental calibration	Spectral calibration. Normalization using internal referencing.