

SPECIM IQ

HYPERSPECTRAL GOES MOBILE



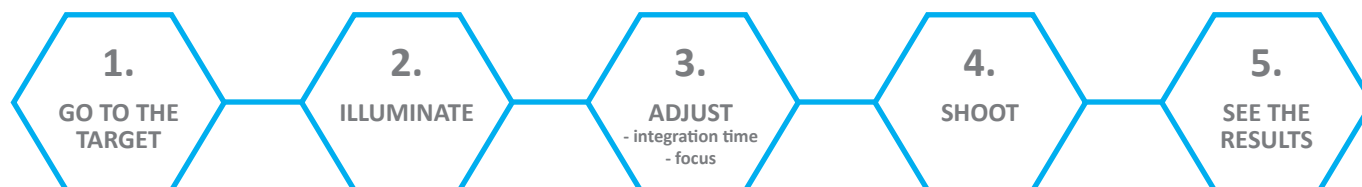
reddot design award
winner 2018

HYPERSPECTRAL GOES MOBILE

Capture image and view results immediately on the camera display

Specim IQ is a portable carry on hyperspectral camera that contains features needed for hyperspectral data capturing, data processing, and result visualization.

EASY TO USE



TECHNICAL SPECIFICATIONS

Spectral Camera	VNIR 400 – 1000 nm (CMOS)
Viewfinder camera	5 Mpix (rescaled to 1280*960 pixels)
User interface SW	By Specim
Storage	SD card max 32 GB
Data format	Specim Dataset with ENVI compatible data files
Battery	5200mAh Li-Ion (Type 26650)
Operational time	Appx. 100 measurements with one SD card and battery
Display & keyboard	4.3" touch screen + 13 physical buttons
Camera interface	USB Type-C, WiFi
Size	207 x 91 x 74 mm (depth with lens 125,5 mm)
Weight	1.3 kg
F/number	F/1.7
Wavelength band	400 – 1000 nm
Spectral resolution FWHM	7 nm (mean)
Spatial sampling	512 pix
Spectral bands	204 (Options Bin 2x and Bin 3x)
Image resolution	512 x 512 pix
PeakSNR	> 400:1
Object distance	150 - ∞ mm
FOV	31 x 31 deg
FOV at 1 m	0.55 x 0.55 m
Temperature, operational	+5°C - +40°C
Humidity, operational	95% non-condensing