

SPECIM IQ

HYPERSPETRAL GOES MOBILE



reddot design award
winner 2018

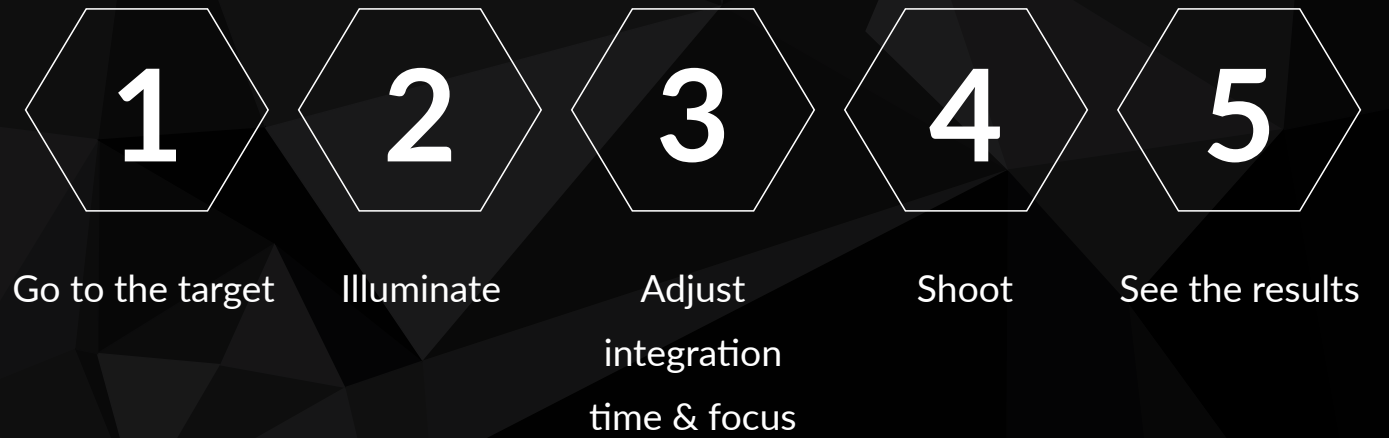
FULL HYPER SPECTRAL IMAGING SYSTEM

- | | |
|---------------------------|--------------------------|
| Spectral Camera | Data Processing Software |
| Scanner | Data Storage |
| Computer | Display |
| Frame Grabber | Keyboard |
| Data Acquisition Software | Power Supplies |



Sensitive Touch Screen

EASY CAMERA-LIKE USABILITY



APPLICATIONS

Tailor the camera functionalities with applications matching your own analysis requirements. Applications define how the camera is used and how the hyperspectral data is processed, analyzed, saved, and visualised.

SPECIM IQ STUDIO

Create and tailor applications, and control the Specim IQ camera remotely with the Specim IQ Studio software. Read more at www.specim.fi/iq

TRUE PORTABILITY

Full hyperspectral imaging camera with all the needed components, on a compact and lightweight body. IP class protection and fully autonomous operation with chargeable batteries and replaceable standard memory cards.

CONNECTIVITY

Use a built-in GPS to record the measurement location. Establish a remote connection via USB or WiFi and control your Specim IQ cameras remotely from Specim IQ Studio to collect, study and import data. Operate the camera with easy-to-use graphic user interface and save the data to the memory card or directly to Specim IQ Studio's Catalog. Remote usage session supports all Specim IQ camera features except focusing.



ENDLESS APPLICATION POSSIBILITIES

Specim IQ opens up plenty of new possibilities for hyperspectral imaging, both in the existing as well as in totally new application fields. Watch application example videos at www.specim.fi/iq

ART

CRIME
SCENE

VEGETATION

FOOD

LIFE
SCIENCES



TECHNICAL SPECIFICATIONS

Spectral Camera	VNIR 400 – 1000 nm (CMOS)
Viewfinder camera	5 Mpix
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
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

Marketed in India by:



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