

# Book Your SPECIM IQ Camera Demo Loan



Rent the Specim IQ Hyperspectral camera for a week or a month at a time for your next research project at competitive rates.

If you buy a camera within 9 months of the loan, we'll take a portion of the loan cost off the purchase price.

*"We're offering you the opportunity to hire a Specim IQ camera for a week or a month (or possibly longer) at a time. Use our camera for your upcoming research project, without having to commit to buying one."*

Dr. Luke Nicholls, Technical Sales Manager, QDUKI

## FEATURES SPECIM IQ:

- Operating software for data acquisition and processing
- Replaceable data storage
- Touch screen display and physical buttons
- Rechargeable battery
- Spectral camera
- Viewfinder camera
- Scanner & motor
- Embedded data processing unit

## SPECIM IQ INFO:

This compact and lightweight hyperspectral camera has all you need to take your hyperspectral analysis anywhere you want — IP class protection and fully autonomous operation with chargeable batteries and replaceable standard memory cards.

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

## IDEAL FOR:

- Food analysis
- Vegetation research
- Meat analysis
- Automotive industry
- Health sector
- Art analysis
- Crime investigation
- Agriculture

## Get in touch today

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**SPECIM IQ**  
HYPERSPECTRAL GOES MOBILE



91 mm



207 mm



## SPECTRAL CAMERA SPECIFICATIONS

### OPTICAL

Wavelength band	400 – 1000 nm
F/number at Sensor	F/1.7
F/number at Slit	F/2.2
Magnification (Sensor / slit)	1/1.3
Keystone	Corrected
Smile	Corrected
Spectral resolution	7 nm
Slit Length	11.70 mm
Slit Height	42 µm

### SENSOR

Sensor type	CMOS
Spatial Sampling	512 pix
Spectral Bands	204 (with Bin 2x: 102, Bin 3x: 68)
Image resolution	512 x 512 pix
Pixel size	17.58 µm x 17.58 µm
Data output	12 bit
QE peak	>45 %
Full-well capacity	>32000 e-
Peak SNR	>400:1

### OBJECTIVE / FRONT LENS

Object distance	150 - ∞ mm
Focal length	21 mm
F/number at Slit	F/2.2
Full field of view (FOV)	31 x 31 deg
Full field of view (FOV) at 1 m	0.55 x 0.55 m
Filter thread	M40.5 x 0,5

## ENVIRONMENTAL SPECIFICATIONS

### DEVICE OPERATION

IP classification	IP5x
Temperature, operational	+5°C - +40°C
Temperature, storage	-20°C - +50°C
Humidity operational	95% non-condensing

### STANDARDS

Shock	STD-810G Method 516.6 Procedure VI
EU directive	Radio Equipment Directive 2014/53/EU.
Certificates	CE, FCC, RoHS