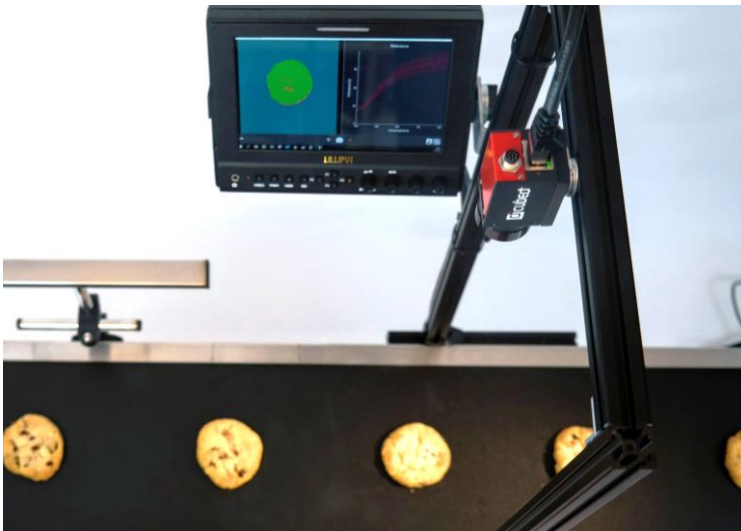




The Gamechanger

Small Size Hyperspectral Video Camera



World's smallest HSI snapshot camera

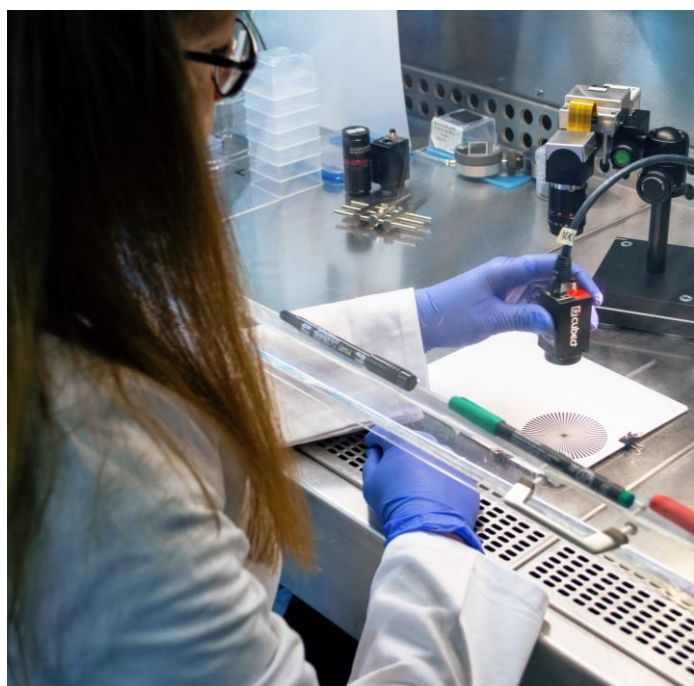
Cubert's smallest ever hyperspectral imaging camera is also its most affordable, to a price that can easily compete against RGB and multispectral cameras. By downsizing the fundamental light field technology of the ULTRIS 20, we have created a hyperspectral video camera featuring a 5 MP sensor that is just 30 x 30 x 50 mm and weighs only 120 g.

This latest addition to the ULTRIS family addresses the needs of industry and researchers alike for a robust and lightweight camera that can fit into every lab or production area, physically and fiscally.

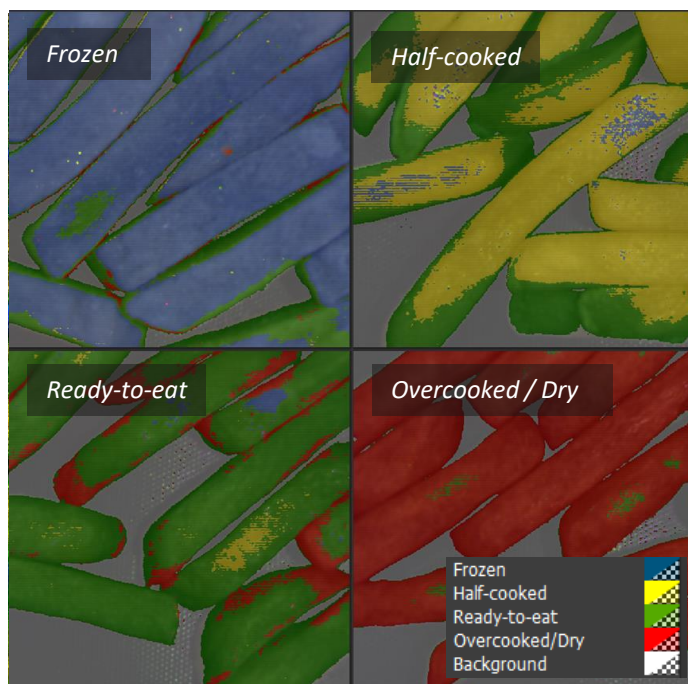
ULTRIS 5

Advantages

- 5MP hyperspectral snapshot imager (x, y, λ)
- 30 x 30 x 50 mm
- 120 g
- Spectral range 450 – 850 nm
- 50 spectral bands
- 250 x 250 px spatial resolution



ULTRIS 5 – High quality, high throughput production



French fries chemometrics with the ULTRIS 5 – Versatile tool for classification tasks

TECHNICAL SPECIFICATIONS

ULTRIS S5

Technology	Light Field
Physical Lenses	42
Wavelength Range	450 – 850 nm
Spectral Bands	50
Spectral Sampling	8 nm
Spectral Resolution (FWHM)	26 nm @ 532 nm
Spatial Resolution	250 x 250 pixel
Total Spectra / Image	62 500
Total Data Points / Cube	>3 Million
Data Depths	12 bit
Readout	Global shutter
Max Frame Rate	15 Hz
Integration Time	0.1 – 1000 ms
Field of View (FOV)	15°
Power Consumption	3.1 W
Data Link	1 GigE
Weight	126 g
Size	29 x 29 x 49 mm

Small, fast and affordable

The ULTRIS 5 features the same footprint as your standard industrial imaging camera in size and price, but it delivers an incredible spectral discrimination in comparison. This enables new applications in Food Quality and Safety, Medical Imaging and Remote Sensing alike.

The ULTRIS 5 is the most versatile addition to Cubert's family of Light Field hyperspectral cameras. It is small enough to fit into any industrial process system, powerful enough to fill medical imaging requirements and fast enough to record complete non-scanning snapshot datacubes at 15Hz.

The ULTRIS 5 is the affordable solution when multiple cameras are needed. Other optical configurations and wavebands are available on request.

The camera comes with IP40 protection class, other options are available on request (IP66-69).