

## Hyperspectral Video Camera

# ULTRIS S5



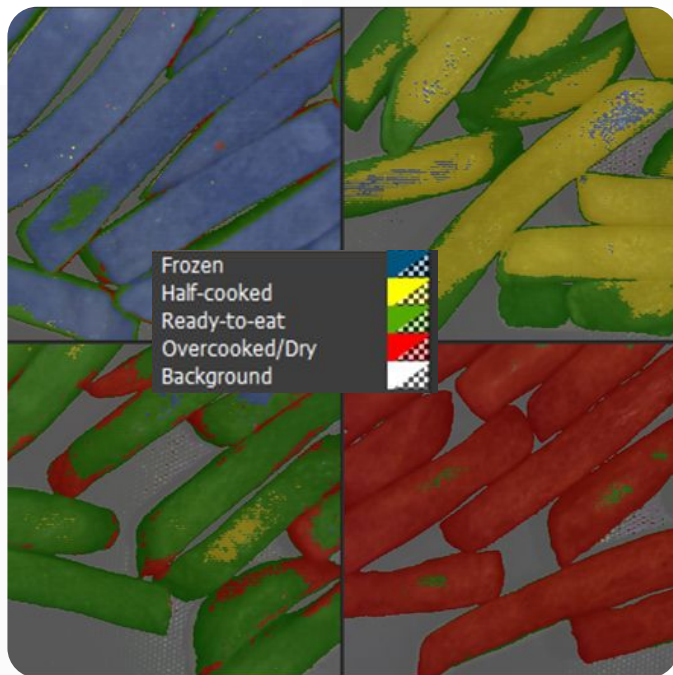
## World's smallest & fastest HSI Snapshot Camera

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 X20, 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**.

The S5 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. 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 15 Hz**.

### Technical Specifications ULTRIS S5

Technology	Light Field	Attachable Objectives	no
Readout	Global shutter	Data Depth	12 bit
Spatial Resolution	290 x 275 pixel	Max Frame Rate	15 Hz
Wavelength Range	450 - 850 nm	Data Link	GigE
Spectral Bands	51	Sensor	Sony IMX264
Spectral Sampling	8 nm	File size unprocessed	< 8.5 MB
FWHM	26 nm @ 532 nm	File size processed	< 8 MB
Bandpass Filter	LVF	Weight	126 g
Integration Time	0.1 – 1000 ms	Dimensions	29 x 29 x 65 mm
FOV (Field of View)	15°		



## Small, fast and affordable - perfect for Food Quality Control

The ULTRIS S5 features the same footprint as a standard industrial imaging camera in size and price, but delivers an incredible spectral discrimination by comparison. This enables new applications in Food Quality and Safety, Medical Imaging and Remote Sensing alike. The image on the left shows the analysis of French fries chemometrics with the ULTRIS S5 – a versatile tool for classification tasks.

## Need for High Speed?

The **ULTRIS H5** is the high speed version of our standard ULTRIS S5. a full frame hyperspectral imaging camera that allows true video rates. Equipped with a 10 Gigabit Ethernet port, the integrated 5 MP sensor can unleash its full potential and can deliver up to **75 Hz** while retaining the typical 12 bit depth. This **super fast** hyperspectral video camera is designed for monitoring time-critical processes especially in industrial and biomedical applications. Of course the camera plugs seamlessly into the Cubert CUVIS software suite.

