



# Compact & Swift: Advancing Hyperspectral Imaging

Introducing the ULTRIS 5: A versatile hyperspectral snapshot camera offering affordability without compromising performance. **Compact and lightweight**, this 5 MP sensor camera measures just 29x29x65 mm and weighs 126 g, this camera caters to diverse applications in industries and research.

This powerful lineup, featuring the standard version, Relay Lens variant, and the high-speed HFR model, contributes to a range of industries, including **Food Quality and Safety**, **Medical Imaging**, and **Remote Sensing**. The ULTRIS 5 series offers unmatched spectral discrimination, making it an invaluable tool for **classification** tasks.

### **Technical Specifications** ULTRIS 5

Technology
Readout
Spatial Resolution
Wavelength Range
Spectral Bands
Spectral Sampling
FWHM

FWHM Spectral Data Points Bandpass Filter Integration Time Light Field
Global Shutter
290 x 275 pixel
450 - 850 nm
51
8 nm
26 nm @ 532 nm
51 x 79 750 (4 M)
LVF
0.1 - 1000 ms

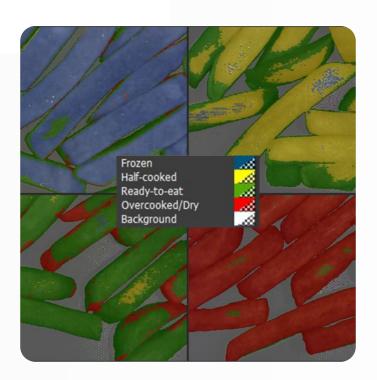
FOV (Field of View)
Data Depth
Max Frame Rate
Data Link
Sensor
File size processed
Weight
Dimensions
Options

Attachable Optics

C-Mount 2/3"
15° / any (lens-dependent)
12 bit
15 Hz / 75 Hz (HFR)
GigE / 10 GigE (HFR)
Sony IMX264
< 8 MB
126 g
29 x 29 x 65 mm
C-mount Adapter
High Frame Rate (HFR)
Industrial Housing (IP66)



## **ULTRIS 5**



### **Easy Integration**

Connect the ULTRIS SR5 to medical devices such as **microscopes** and **endoscopes**, or **industrial inspection systems** for real-time video spectroscopy with any **C-Mount** objective. Supported by Cubert's powerful HSI software **CUVIS** and **SDK** for smooth integration, it offers live view customization and advanced classification solutions in all kind of application fields, from medical imaging to industrial settings...

## High versatility

#### **ULTRIS S5 Standard Version**

Designed for versatility, it offers a fixed **FOV of 15°**, making it suitable for various applications.

### **ULTRIS SR5 with Relay Lens**

Enhance adaptability with a relay lens adapter, enabling **C-Mount compatibility**. Perfect for video spectroscopy in real-time, it allows seamless lens changes, even for macro optics or fish eye lenses.

### **ULTRIS 5 HFR** (High Frame Rate)

Unlock high-speed capabilities with a 10 GigE port, providing up to 75 Hz frame rate for time-critical processes in industrial and biomedical applications.





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#### Need more information?

Please contact us! We'd be delighted to answer any of your questions you may have.

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