DORGEAN
Beijing Dorgean Electronic Technology Co.,Ltd

Instrument Expert
Original factory packaging
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Affordable Versatility
ULTRIS 5

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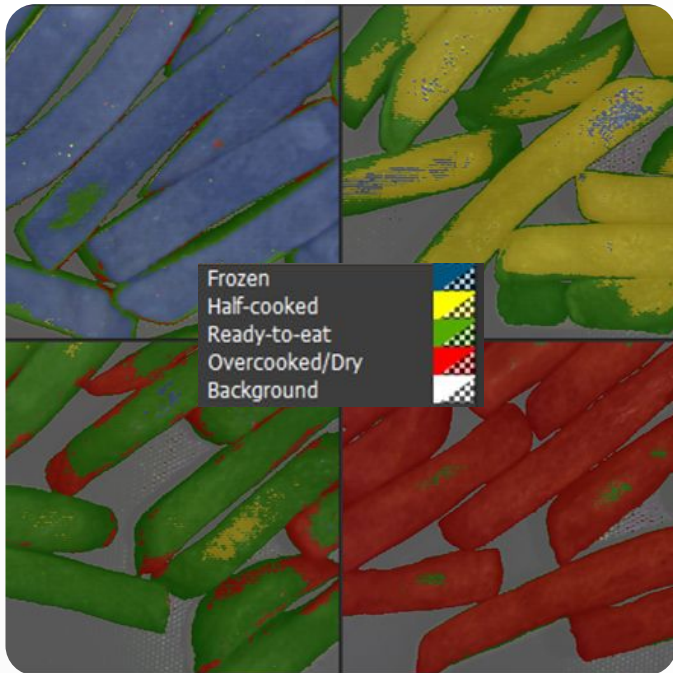
This powerful lineup, featuring the standard version, Relay Lens variant, and the high-speed HFR model, contributes to a range of industries, including **Food Quality and Safety**, **Medical Imaging**, and **Remote Sensing**. The ULTRIS 5 series offers unmatched spectral discrimination, making it an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

Technical Specifications ULTRIS 5

Technology	Light Field	Attachable Optics	C-Mount 2/3"
Readout	Global Shutter	FOV (Field of View)	15° / any (lens-dependent)
Spatial Resolution	290 x 275 pixel	Data Depth	12 bit
Wavelength Range	450 - 850 nm	Max Frame Rate	15 Hz / 75 Hz (HFR)
Spectral Bands	51	Data Link	GigE / 10 GigE (HFR)
Spectral Sampling	8 nm	Sensor	Sony IMX264
FWHM	26 nm @ 532 nm	File size processed	< 8 MB
Spectral Data Points	51 x 79 750 (4 M)	Weight	126 g
Bandpass Filter	LVF	Dimensions	29 x 29 x 65 mm
Integration Time	0.1 – 1000 ms	Options	C-mount Adapter High Frame Rate (HFR) Industrial Housing (IP66)

Frozen
Half-cooked
Ready-to-eat
Overcooked/Dry
Background

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.

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..