High Resolution Spectral Camera

ULTRIS XMR

Revolutionizing Imaging Across Industries

Advanced Hyperspectral Imaging

Go beyond traditional imaging with the ULTRIS XMR. This innovative camera captures **61 spectral images simultaneously**, each at **1-Megapixel resolution**. This allows for **real-time imaging** and video spectroscopy, providing rich spectral data that delivers unparalleled insights across various applications.

Versatile and User Friendly

Ideal for both **lab and field use**, the ULTRIS XMR is easy to set up and operate, making high-performance imaging accessible **without needing specialized knowledge**. Its robust design ensures reliability across various environments, from **scientific research** in labs to more **tactical scenarios in the field**.

Technical Specifications ULTRIS XMR

Technology	Light Field	Attachable Optics	C-mount 4/3''
Readout	Global Shutter	FOV (Field of View)	lens-dependent
Spatial Resolution	1000 x 1000 pixel	Data Depth	12 bit
Wavelength Range	430 - 910 nm	Max Frame Rate	17 fps (8 bit) / 12 fps (12 bit)
Spectral Bands	61	Data Link	USB 3.0
Spectral Sampling	8 nm	Sensor	Sony IMX540
FWHM	Constant 25 nm	File size processed	~300 MB
Spectral Data Points	61 x 1 000 000 (61 M)	Weight	700 g
Bandpass Filter	Mosaic	Dimensions	40 x 40 x 217 mm
Integration Time	0.1 – 1000 ms	Options	Wavelength range customizable

Simple Operation

The XMR excels in a variety of applications, including **object tracking**, **surveillance**, and **dynamic monitoring**. Its versatile capabilities make it suitable for numerous sectors, ensuring enhanced performance and reliability where you need it most.

Utilize the power of AI with our **Cuvis.ai** software for quick and accurate **image classification** of different surfaces, even in live mode. This capability simplifies complex tasks, making it invaluable for industries requiring precise **material detection and analysis**.

Customization and Adaptability

Recognizing that every application has unique requirements, the ULTRIS XMR offers **customization options**. Whether adjusting the wavelength range, the number of spectral bands, or selecting specific lens configurations, we tailor the camera to fit your precise needs.

Built for durability, the ULTRIS XMR performs consistently even in challenging conditions. Its **rugged construction** ensures it can handle the demands of various applications, providing a dependable solution for decision-makers across industries.

Time is crucial in many operations. The ULTRIS XMR's **rapid data capture** and **USB3** connectivity allow for swift image processing with up to **17 fps in real-time**, keeping your projects on track and boosting overall efficiency.

The XMR is more than a camera; it's a comprehensive imaging solution that adapts to your needs. Its combination of **high-resolution hyperspectral imaging**, ease of use, and **advanced AI capabilities** makes it an essential tool for decision-makers looking to enhance their operational efficiency and precision.

Need more information?

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

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