

## **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 Readout

**Spatial Resolution** 

Wavelength Range

Spectral Bands

Spectral Sampling

**FWHM** 

**Spectral Data Points** 

Bandpass Filter

Integration Time

Light Field

**Global Shutter** 

 $1000 \times 1000$  pixel

430 - 910 nm

61

8 nm

Constant 25 nm

61 x 1 000 000 (61 M)

Mosaic

 $0.1 - 1000 \, \text{ms}$ 

Attachable Optics

FOV (Field of View)

Data Depth

Max Frame Rate

Data Link

Sensor

File size processed

Weiaht

Dimensions

Options

C-mount 4/3"

lens-dependent

12 bit

17 fps (8 bit) / 12 fps (12 bit)

**USB 3.0** 

Sony IMX540

~300 MB

700 a

40 x 40 x 217 mm

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 vour needs. Its combination 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.



Science Park II Lise-Meitner Straße 8/1 D-89081 Ulm Germany

#### Need more information?

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

© +49 791 708 156 70

www.cubert-hyperspectral.com