Real-Time Spectral Imaging: introducing the DragonflEYE C4

S219

Six spectral channels, one optical path

Principal applications

- Remote sensing
- Process control
- Food production
- Color industry
- Microscopic applications
- Archeology
- Biological and medical applications
- Chemical imaging
- Precision farming

Short facts

The S219 is a highly integrated spectral imager, capable of measuring four to six different spectral colors with a 4 Megapixel resolution. This device is easy to use and adaptable to your application. The optical and electrical design helps you focus on your mission. All colors are captured exactly on the same time and from exactly the same viewing angle. A global shutter prevents further moving artifacts. This is what we concider a snapshot imager. There is no need for preprocessing.
The camera has an integrated processing board and all data is saved on one SD-card. We are happy to talk with you about filter settings for your specific application.

Special features

- Control pannel for computerless operation
- Data storage on camera SD Card
- Wireless remote operation

S219 DragonflEYE C4

Camera properties	
Detector	Si CCD
Digitization	10 bit
Measurement time	down to 100 µs
Camera interface	USB, Power, HDMI, GigE
Hyperspectral cube rate	up to 10 cubes/s
SNR	39 dB
Shutter	global
Data proccessing	Smart Camera
Storage	SD Card
Optical properties	
Objective	selectable
Mount	Nikon objective
FOV	selectable
Physical properties	
Certification	CE
Operating temperature	0 - 40 °C
Weight	~800 g
Power	DC 5 V, 15 W
Spectral properties	
Wavelength range	370-1000 nm
Spectral Imaging	4x1296*966 Pixel
Channerl width	5-10 nm (70 bands)
Channels	4-6

*this information may be subject of changes

What you should know

This camera was designd to make your application more reliable and easy. With a nearly free choice of optical filters we are able to deliver you exactly what it takes to bring spectral imaging into the field.
The goal of our development was an easy to handle affordable spectral imager. We wanted to tackle the obstacles of existing multichannel imagers. Therefor we developed an optical design which combines 4 sensors through one optical path. In combination with an intelligent camera design and our spectral imaging software we give you the easiest to use multispectral imager available. We are happy to discuss your applications.

Cubert...

...stands for CUBE Real Time. It is your suplier for snapshot spectral imaging. In 2011 Cubert presented the first high resolved snapshot Hyperspectrometer. Since this time our technological basis has highly evolved. Today our snapshot imaging spectrometers range from multispectral cameras to full-blown Hyperspectral cameras.

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