



ADC Micro MULTISPECTRAL (NIR) CAMERA

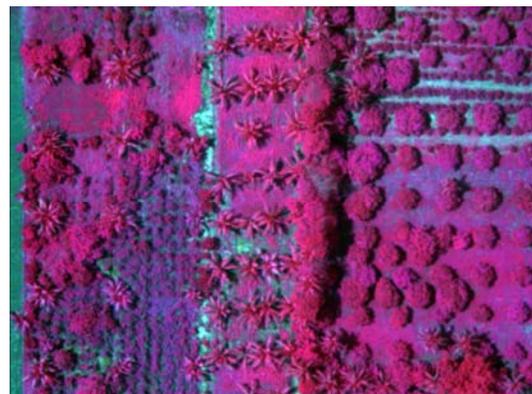
At 100 grams, the ADC Micro extends the power of advanced multi-spectral imaging to small Unmanned Aircraft Systems all over the planet. In so doing, Tetracam's smallest multi-spectral imaging marvel delivers this powerful technology – once only accessible via satellites – to agricultural, industrial and environmental users previously priced out of its use.



Featuring storage up to 8 GB, fast parallel processing, ultra-low power consumption, and simple menu-organized configuration and control, the ADC Micro contains a single 3.2 mega-pixel sensor optimized for capture of visible light wavelengths longer than 520 nm and near-infrared wavelengths up to 920 nm. The camera and its accompanying software, PixelWrench2, are ideally suited for capturing and processing multi-spectral images of crops and forests and studying a variety of eco-systems.

PixelWrench2 provides color processing of Tetracam RAW and DCM files, complex batch processing tools, the ability to extract a variety of vegetation indices and a comprehensive suite of image editing tools.

The ADC Micro's 8.43 mm lens is located on the bottom of the unit. The camera's field of view (FOV) is laid out in a 4:3 format. When carried in a manned or unmanned aircraft, the field of view increases as the above ground level (AGL) altitude increases. As the AGL increases, the camera's ability to resolve individual details on the ground decreases. With its standard 8.43 mm lens, when flown at altitude of 400 feet above ground level, this camera creates an image large enough to capture an area measuring 95 meters wide by 71 meters high at a resolution of less than two inches (46.3 mm) per pixel in a single shot!





Technical Specifications

3.2 mega pixel CMOS sensor (2048 x 1536 pixels) Green, Red and NIR sensitivity with bands approximately equal to TM2, TM3 and TM4.

Image storage to standard 2 GB Micro SD Card in Tetracam 10 bit DCM lossless, 8 bit RAW, and 10 bit RAW formats. Larger capacity cards to 8 GB are optionally available.

Camera supplied with a 8.3 mm lens
USB interface.

Image Capture

Image Capture Capacity:

Approx. 3 MB per image (DCM format), limited only by CF card size
From 2 to 5 seconds per picture, depending on file save mode selected

Inputs

+ 6 VDC to + 12 VDC (160 mA) Center Positive
RS-232 dedicated to capture of GPS NMEA.
External Trigger

Outputs

Real-time NTSC or PAL Video

Data Interface

USB 2.0

Dimensions

75 x 59 x 33 mm

Weight

100g

System Includes

- ADC Micro Agricultural Digital Camera
- Product and Accessory Documentation
- USB Interconnection Cable
- Micro SD memory card
- DC Power Supply with International Adapters
- CDROM with Installation Software and Documentation
- White Teflon Calibration Plate
- Test and control box assembly and Cable
- Un-terminated System Integration Cable
- Hardened Plastic Storage and Transport Case

Options

GPS guided camera triggering with SensorLink Software



VISION ASIA TECHNOLOGY PTE LTD
14 ROBINSON ROAD#13-00 FAR EAST FINANCE BUILDING
SINGAPORE 048545
PHONE: +65-6451-1857
INFO@VISIONASIA.COM.SG
WWW.VISIONASIA.COM.SG