



## ADC Snap MULTISPECTRAL (NIR) CAMERA

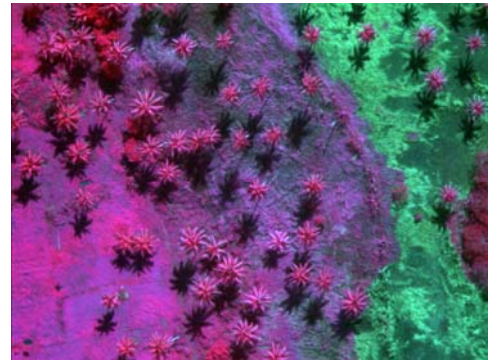
The ADC Snap and its accompanying software, PixelWrench2, are ideally suited for high-speed capture of multi-spectral images of crops, forests and other eco-systems.



Featuring 16 GB standard storage, fast parallel processing, ultra-low power consumption, and simple menu-organized configuration and control, the ADC Snap captures visible light wavelengths longer than 520 nm and near-infrared wavelengths up to 920 nm.

Three filters atop the sensor limit the radiation that enters it to bands of green, red and near-infrared radiation equivalent to Landsat Thematic Mapper bands TM2, TM3 and TM4.

The ADC Snap's principal difference from the ADC Micro is that it uses a 1.3 MPel electronic global snap sensor that creates images consisting of 1280 x 1024 pixels. Rather than using a 'Rolling Shutter' sensor like ADC Micro systems that scan each image from top to bottom, Micro-MCA Snap system sensors expose the entire image at the same instant in time. This allows ADC Snap images to be captured free of motion blur and other distortions. The ADC Snap camera is ideal for use with fast or low-flying UAVs, especially fixed wing aircraft susceptible to pitch, roll or yawing problems.



The ADC Snap's 16 GB micro SD memory card is easily accessible by the user. Images are stored along with metadata such as GPS coordinates and/or attitude information (pitch, roll and yaw) that is sent to the system through the ADC Snap's serial interface (see I/O connections described below). After missions are completed, users remove the Micro SD memory from the camera and transfer its contents to a host computer equipped with PixelWrench2, the software included with all Tetracam systems



## Technical Specifications

90 gram 1.3 MPel Multi-spectralIR-G-NIR System principally designed for operation aboard unmanned aircraft

### Image storage:

16 GB Micro SD Memory Card provided standard with equipment

### Camera Focal Length:

8.43 mm fixed lens, Aperture: f/3.2.

### Image Capture

Approximately 5000 + images depending upon selected file type (i.e., 10 bit DCM lossless, 8 bit RAW, and 10 bit RAW file types).

### Image Triggering:

On-Camera Shutter Release, Auto-Timer, Remote Shutter (External Trigger), RS232 Serial Trigger

### Default Ports

+Video (NTSC or Pal), USB, RS232 Serial, Remote Shutter (External Trigger)

### Power

+ 9.0 VDC to + 14.7 VDC (160 mA); Two watts nominal

### Dimensions

75 x 59 x 33 mm

### Weight

90g

### System Includes

- ADC Snap Agricultural Digital Camera
- CDROM with Installation Software and Documentation
- Product Manual and Accessory Documentation
- USB Interconnection Cable
- 16 GB Micro SD memory card
- Micro SD to USB Reader/Adapter
- DC Power Supply with International Adapters
- White Teflon Calibration Plate (AKA Calibration tag or Software Calibration Tile)
- Test and control box assembly and Cable
- Un-terminated System Integration Cable
- Hardened Plastic Storage and Transport Case

### Options

FirePoint™ GPS Navigation System



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