

ADC Series

TETRACAM  **INC**

**Lightweight Agricultural Digital Camera
Specially Designed for UAV Applications**

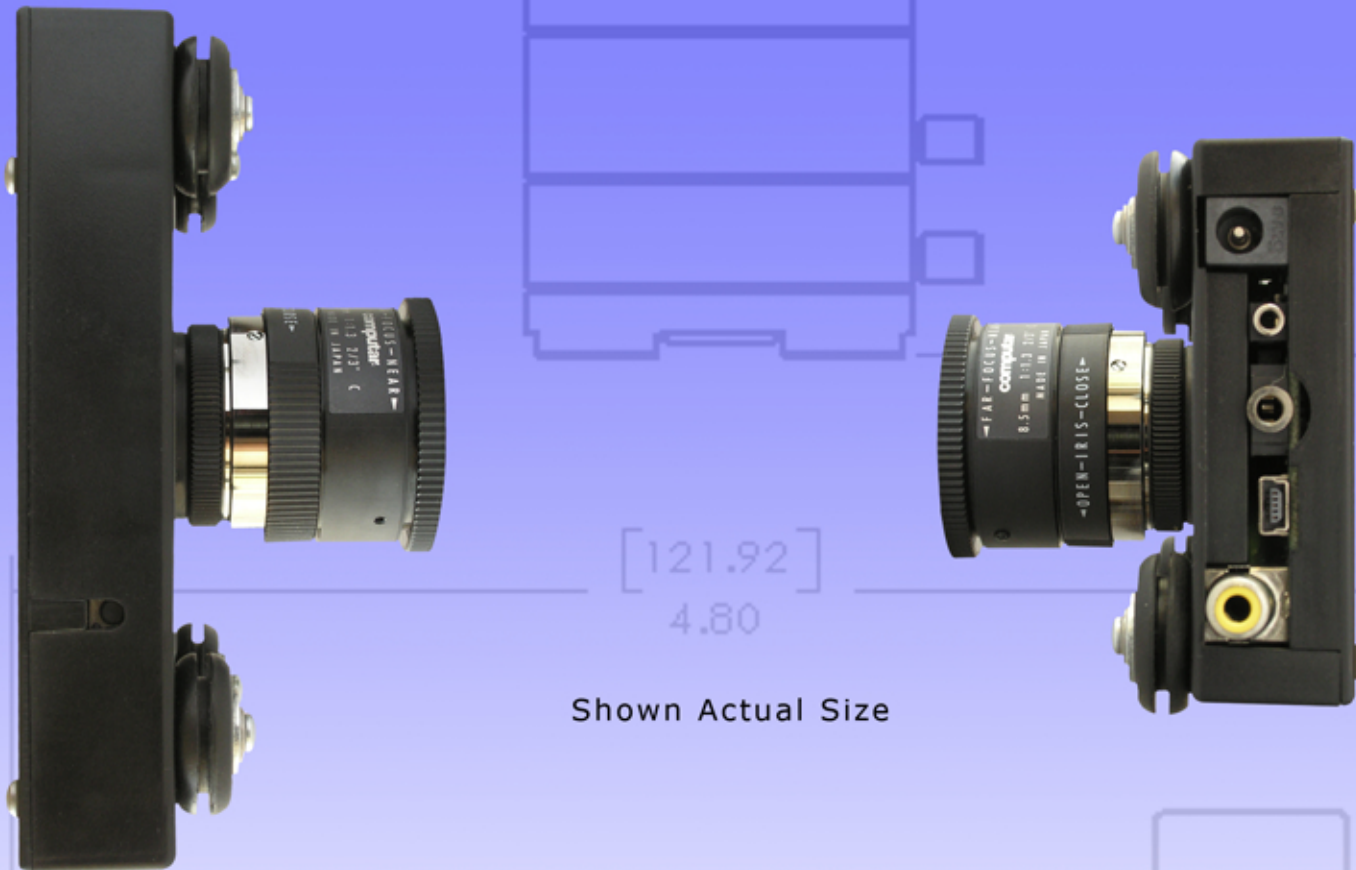


ADC Lite

**Simplest, lightest, and most flexible visible and NIR
camera available**

High Quality Visible and NIR Imaging

ADC Lite



Shown Actual Size

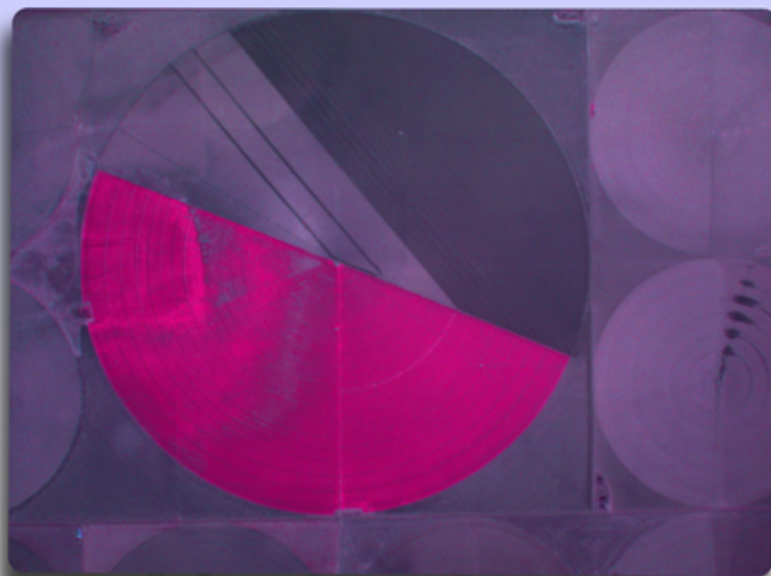
This fourth generation ADC was designed to be the lightest fully featured agricultural camera available. Weighing in at only 7oz including the lens, this camera was designed with unmanned systems in mind. Remote power and display features allow the end user to easily optimize the placement of this small footprint camera on the remote vehicle . It offers higher ground resolution and improved spectral accuracy along with greater flexibility of operation and control. Red, Green and NIR bands (approximating TM2, TM3 and TM4) provide the information needed for extraction of NDVI, SAVI, canopy segmentation and NIR / Green ratios. Standard GPS data capture from an external receiver adds position data to your images.



Video out and standard GPS data capture from an external receiver



3.2 megapixel image size for excellent ground resolution



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Re-engineered to be the simplest and most flexible visible and NIR camera available. The new ADC has improved resolution, faster performance, greater capacity and new features.

ADC Lite

Specifications

3.2 megapixel CMOS sensor (2048 x 1536 pixels).
Green, Red and NIR sensitivity with bands approximately equal to TM2, TM3 and TM4.
Image storage to Compact Flash in Tetracam 10 bit DCM lossless, 8 bit RAW, and 10 bit RAW formats.
Light weight housing perfect for UAV or weight critical applications.
CS lens mount system compatible with thousands of available lenses.
Camera supplied with a 8.5mm C mount lens.
Optional 4.5 – 10 mm varifocal lens also available.
USB interface

Image Capture

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

Inputs

5 – 12 VDC
RS-232 dedicated to capture of NMEA GPS sentences
External Trigger

Outputs

Realtime NTSC or PAL Video for both viewfinder and menu operations

Data Interface

USB 1.1

Dimensions

4.5in. x 3.0in. x 0.87in. (114mm x 77mm x 22mm) without the 8.5mm lens.
4.5in. x 3.0in. x 2.38in. (114mm x 77mm x 60.5mm) with 8.5mm lens.
7.0oz. (200gr.)

Misc.

4 Shock mount attachment points

System Includes

ADC Light Camera with 8.5mm "C" mount lens
512 MB SanDisk A series CF card
PixelWrench 2 Software (Windows)
12V AC power adapter
12V DC power/trigger multi-function cable
USB cable
User's Guide
Teflon calibration tag
Pelican hard shell camera case

Available for order Now.

Contact your Tetracam Reseller for additional information and pricing or contact Tetracam direct at info@tetracam.com.



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