ADC Series

TETRACAM INC

Agricultural Digital Camera

ADC

Simplest and most flexible visible and NIR camera available
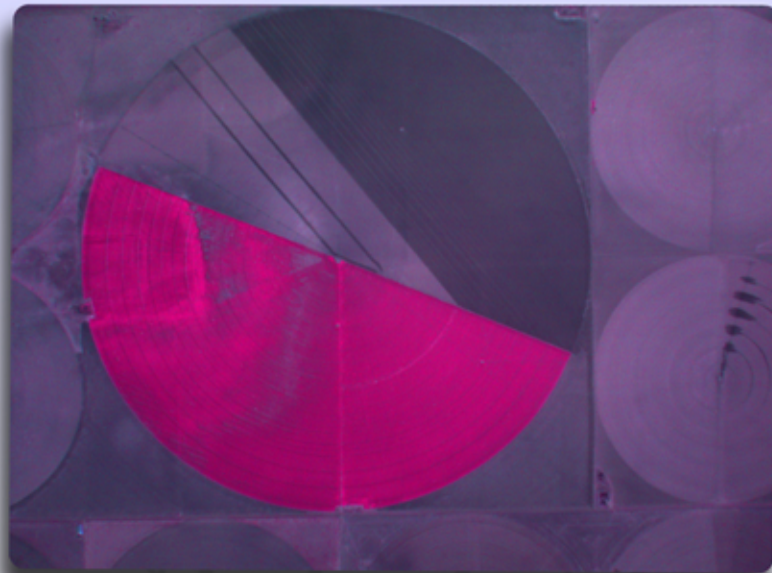
High Quality Visible and NIR Imaging

This third generation ADC stands on the shoulders of the venerable 1.3 megapixel camera in use worldwide. 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

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

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 CompactFlash in Tetracam DCM lossless format
Tough CNC machined aluminum housing.
CS lens mount system compatible with thousands of available lenses.
Camera supplied with a 8.5mm lens
Optional 4.5 – 10 mm varifocal lens also available.
8 internal AA size batteries.
USB interface
Multipin I/O connector for use with Tetracam Videoviewer accessory.

Image Capture

Capacity: Approx. 1MB per image, limited only by CF card size.
Rate: From 5 to 2 seconds, 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

4.8 x 3.0 x 1.6 in. (122 x 78 x 41mm) without lens.
12 oz. (340 gr.) without internal batteries.
18 oz. (520 gr.) with alkaline AA batteries.

Misc.

Standard ¼-20 tripod socket, centered under lens.

System Includes

Camera and Lens
256MB CF card
USB Cable
AC/DC power supply
Teflon calibration tag
8 AA batteries
Tetracam PixelWrench2 Application Software (for Windows)
Rugged carrying case

Available for order Now.

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