March 1, 2012

ADC Optrex/Aptina Addendum

Beginning with March 2012 shipments and version 5151 firmware the ADC camera will have new features and capabilities not documented in this version of the manual. The changes affect the user as described below:

ADC , ADC Lite, ADC Air:

1. The camera is equipped with an Aptina 3.2 megapixel sensor. This sensor has improved dynamic range and lower noise than the Omnivision sensor used in earlier units. It also uses different color calibration tables. If you previously owned an Omnivision sensor product, care must be taken not to mix up the calibration files when using our Pixelwrench image processing software.
2. The cameras are able to provide color processed video on the NTSC/PAL video out port, where previously all output was monochrome. The type of color processing (False color, IPVI mono, IPVI color) is controlled by the "RENDER MODE" camera menu item under SETUP. This item was formerly named "QUICKVIEW". The ADC with LCD display also produces a color processed viewfinder image when the "RENDER MODE" is set to "COLOR".
3. When attached to a laptop computer in USB Camera mode, it is no longer necessary to power the camera down after issuing commands from our control software.

ADC Only:

The ADC camera has been equipped with a new daylight-viewable display that is larger than previous models (16:9 aspect ratio). The extra width has been used to implement an information panel that shows the state of the device without having to access the menu interface. The items that are displayed during normal operation on the right side of the screen are shown below:

ADC Optrex/Aptina LCD display	Displayed information
	Firmware version Battery % charge USB mode USBDSK/USBCAM File format mode DCM/RAW8/RAW10 Alarm setting OFF/ON Continuous Capture ON/OFF Available memory on CF card Picture counter Exposure AUTO/FIXED, Exposure +/- setting Average and Peak Brightness values (%) Viewfinder image histogram Time