

## Acquiring Top Quality with the VALCam USB

Video Associates Labs camera systems are designed to provide the highest quality images for photo-id applications.. Following a few simple guidelines will guarantee top notch captures in any environment.

### Step 1: Always zoom in to the subject as tight as your image composition will allow.

Zooming in tight to the subject will maximize the pixel resolution of the capture. Try to avoid capturing a wide shoot and cropping in your software as this will greatly reduce the printed image quality.

It's very easy to control the Zoom factor with the VALCam using the Zoom controls. To slow down the zoom speed hold the <Shift> key when activating the zoom control.



**Zoom set too wide**



**Zoom set correctly**



### Step 2: Set the Flash Iris control for proper illumination.

Flash intensity is controlled by the Flash Brightness Controls. Flash Brightness level determines the subject distance from the camera. Initially adjust the control for the subject distance from the camera. Take a sample capture and fine tune the controls up or down 1 or 2 clicks to optimize image exposure. Once this adjustment is set it will not need to be recalibrated unless the subject distance changes.

All effects of ambient lighting are removed when using this control. Perfect captures can be acquired even with minimal room lighting without changing the adjustments.



**Flash Brightness too bright**



**Flash Brightness too dark**



**Step 3 Set Color Adjustment for best quality**

Click the **Adjust** button in the main dialog box and verify that

**Flash Red=0, Flash Blue= 0 and Flash Color =80**

Feel free to adjust the controls for further optimizations.

If flash captures are **YELLOW** add more **Flash Blue**

If flash capture are too **RED** remove Flash Red

If flash capture are too **Green** add more **Red** and **Blue**

Add or subtract **Flash Color** to increase or decrease color intensity.

