Instructions for Software Installation
for Rad-icon Ethernet-enabled cameras

1. Insert the ShadoCam CD into your CD drive and wait for the CD menu to appear. If the CD menu doesn't start, open the CD in Windows Explorer and double-click on the **CD_Start** application.

2. Run the **eBUS-Vision** installation from the CD menu and follow the prompts.

3. Install the **eBUS Universal Driver** for your network adapter using the **Driver Installation Tool.**

4. Run the **ShadoCam** installation from the CD menu and follow the prompts.

5. Reboot your PC.

6. Optional - set up your firewall: you need to allow ShadoCam access to the network adapter that the camera will be using. The recommended way to do this is to add an "Exception" to the firewall configuration. If you are using the Windows XP Firewall, go to the **General** tab and *uncheck* **Don't allow exceptions**. Then, select the **Exceptions** tab and click **Add Program**. Select the **ShadoCam Application** and click **OK**.

7. Connect a standard Cat5 or Cat6 Ethernet cable between the Ethernet port on the camera and your PC. A direct connection (i.e. not through a hub) is recommended. Plug in the power adapter for the camera into an AC outlet (for best performance, the camera should be powered from the same outlet strip as your PC). If applicable, connect the DVI or LEMO cable between the camera module and the Remote RadEye sensor head.

    » **Wait for Windows to resolve the Ethernet connection.** A "*Limited or No Connectivity*" message will appear when Windows is ready for you to proceed to the next step.

8. Start the ShadoCam application from **Start > All Programs > ShadoCam**. Select **Preferences** from the **Acquisition** menu. Select the appropriate **Camera Model** and the *Ethernet* **Frame Grabber Model**. Optionally, select the *14-bit* **Bit Depth** and a maximum **Default LUT range** of *16,500*.

9. When you click **OK**, ShadoCam will present the **IP Engine Selection** dialog, listing the iPORT IP Engines connected to your PC (most likely just one). In the **Available IP Engines** panel, select your IP Engine. Information about your selection appears in the **IP Engine and NIC Information** panel. Click **OK**. The **Set IP Engine IP Address** dialog appears. Under **IP Engine Settings**, enter an appropriate **IP Address** or just click **OK** to use the suggested value. Any IP address will work as long as it is on the same subnet as your network adapter card. Click **OK**.

    » If ShadoCam presents a "*no frame grabber detected*" error message, exit the program, disconnect the camera, and reboot your computer. It may take one or two reboot cycles for Windows to establish a connection.

10. You're ready to acquire images! Refer to the **Help** file in ShadoCam for additional information regarding ShadoCam functions, image corrections, file formats etc.