Self-Installing IonOptix Hardware/Software IonWizard 6x, Mutech, IO24 on Windows XP

June 29, 2007

The following instructions explain the procedure required to install hardware and software required to run lonWizard 6x using the Mutech MV510 framegrabber with a IO24-based Fluorescence System Interface or Data System Interface. These procedures are for first time installations only. If you are upgrading are running system please refer to other documents.

1. Verify computer and Windows version

To run IonWizard 6x you will need:

- Two free full-height half-length PCI slots.
- Windows XP. Windows 2000 may work but is not well tested. Windows Vista support is not completed. All other versions of windows are not supported for new installations

2. Obtain files

The software is currently distributed as two self-extracting zip files. Please contact IonOptix for instructions on receiving the latest versions. The two files will be

- 1) mutech212.exe
- 2) iwiz6-03jul07.exe ("03jul07" will change for each release)

If you download these files from a separate computer you will have to copy them to your acquisition computer using a CD or USB flash drive. If you have an Internet connection on your acquisition computer simply download files to a temporary directory (say c:\temp)

3. Create program directory

Create a directory on your C drive of your acquisition computer called c:\ionoptix.

4. Unpack files

To unpack the files open my computer and locate the drive/folder that contains the files from step #2. The first step is to install the frame grabber support files....

 Open the drive/folder containing the files from step #2 and double-click on mutech212.exe 	Classipple File Edit Vene Facelite Yook Polision Data - Data	● ●
2. After unpacking you will see this message, click ok and the Mutech setup program will start	Corr Created 70,000 2:05 PM Store 2:44 PM Mutech Drivers and Utilif	2.4678 3 My Computer

3. Click	α next	InstallShield Wizard
4. Click licen	x yes to accept the se	InstallShield Wizard Icanse Agreement Please read the following Icanse agreement carefuly. Icanse Agreement Automatic Coposition does not remain any representations or claims concorning the valid concorners.curvey: a otherwise of the notion or claims concorning that it be table or response for any claim or damage, direct or or respectively. Do you accept all the terms of the preceding License Agreement? If you choose No. the setup will close. To instal MM-SMC Distribution; you must accept this agreement. InstallShield (Back: Yes: No.
5. Click	a next to confirm	InstallShield WiZerd Concerning Please read the following license agreement carefuly. NuTech Corporation does not warrant or make any regresentations or claims concerning the validity constructives, currency, or otherwised or the information provided fraction, and the use, streppetation, relance upon, or other implementation of said information. Do you accept all the terms of the preceding License Agreement? If you choose No. the safety will cole. To initial MV-SOCIEBAUMON, you must accept this agreement. HotsElfred <u>Careford</u> <u>Careford</u> <u>Yes</u> No.
6. Click insta c∶∖mv	x next to accept default Illation directory of v-500	InstallShield Wizard Image: Control of the second of the
7. Click insta	a next to do a typical Illation	InstallShield Wizard Setup Type Setup Type Setup Type Click the Stelup Type to initial. Setup Type Click the type of Setup you prefer, then click Next. • • Typical Pogara will be initialed with the most common sptions. Recommended for met users. • Compact Pogara will be initialed with minimum required options. • Compact Pogara will be initialed with minimum required options. • Compact Pogara will be initialed with minimum required options. • Compact You may obcose the options you want to initial Recommended for schemed. InitialShield

June 29, 2007



Next you will install the IonWizard files....

1.	Open the drive/folder containing the files from step #2 and double-click on iwiz-03jul07.exe Note the actual name of the file will vary based on the date it was released	Colsempte Image: Colsempte FRE Edt. Yow Favorities Tools Help Back Image: Colsempte Back Image: Colsempte FRe Image: Colsempte FRe Image: Colsempte Colsempte Image: Colsempte Image: Colsempte Image: Colsempt	
2.	After unpacking you will see this message, click ok	Date Created: 77(2007 2:55 M Size: 2:46 MB 2:4	
		ОК	

5. Insert the Cards

Be sure to power down the computer be inserting any cards!

Install the Mutech and IO24 cards in any available PCI slots. Be sure to screw in (or clip for some cases) the card supporting bracket to the back of the case so the cards do not work free.

6. Load the drivers

The first time that you boot the computer after inserting new hardware Windows will automatically start the process for selecting and loading the driver. Since you have installed two cards you will need to determine which card it is asking for to determine the proper driver. You will see one of two "ballons" in the lower right-corner of the screen.

To install driver for the "Mutimedia Controller" (Mutech) driver				
1.	Select "no" you don't want to search windows update and click "next	Found New Hardware Witzard With a sack for current and updated software by for go on our comparison on the advance intradiction (0, or on the Mindows Update No. In the Indows intellation (0, or on the Mindows Update No. In the Indows intellation (0, or on the Mindows Update No. In the Indows on the Indows Update No. In the Indows on the Indo		
2.	Select "Install from a list or specific location (Adanced)" the click next.	Found New Hardware Witzard Image: Second S		
3.	 Select "search for the best", uncheck "search removable media", check "include this location" enter or browse to c:\ionoptix\mutech 2.1.2 then click next 	Hardware Update Wizard Please choose your search and installation options. Search for the best driver in these locations. Use the check boxes below to find or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (Roppy, CD-ROH) Include this location in the search NonoptioNMusech239 Browse Onorth search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hadware. (
4.	Windows will start to install the driver then display this warning. Click "Continue Anyway"	Hardware Installation Image: State of the software you are installing for this hardware: MuTech MV-SX: Frame Grabber has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system their immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing. Continue Anyway STOP Installation		

Self-Installing IonOptix Hardware/Software

June 29, 2007

🤨 Found New Hardware 🛛 🗵

PCI Device



To install driver for the "PCI Device" (IO24)....



June 29, 2007



7. Test the frame grabber

To test that the frame grabber driver and support software are functioning

- 1. Attach a video camera to the RCA input on the back of the frame grabber card
- 2. Run "Start->Programs->Mutech->MV5XX Demo".
- 3. Click "ok" to dismiss any "No Input" messages
- 4. Select "Video Adjustment" from the "Adjust" menu, select "Channel 2" then click "Ok"
- 5. If you have a non-interlaced camera (all lonOptix cameras are non-interlaced) Select "Grab Next Field" from the "Grab" menu. If you have an interlaced camera select "Grab Frame"
- 6. Select "Start Grab" from the "Grab" menu. Live video should now be displayed

8. IonWizard

The IonWizard program (IONWIZRD.EXE) has been installed in c:\ionoptix\current. Please refer to separate documents for configuration and operation instructions.

9. MyoCam-S

While not explicitly covered in this document the MyoCam-S is installed in the same fashion as the IO24. That is once you have unpacked the IonWizard files (step 4) you can plug the camera into any available USB port. When Windows prompts you for the driver follow the same steps as the IO24 in step 6 except that the drivers are located in c:\ionoptix\current\2kXP\MyoCamS. After the installation verify that the file "vi80uext.dll" is in c:\windows\system32, if it is not copy it from the driver source path.