



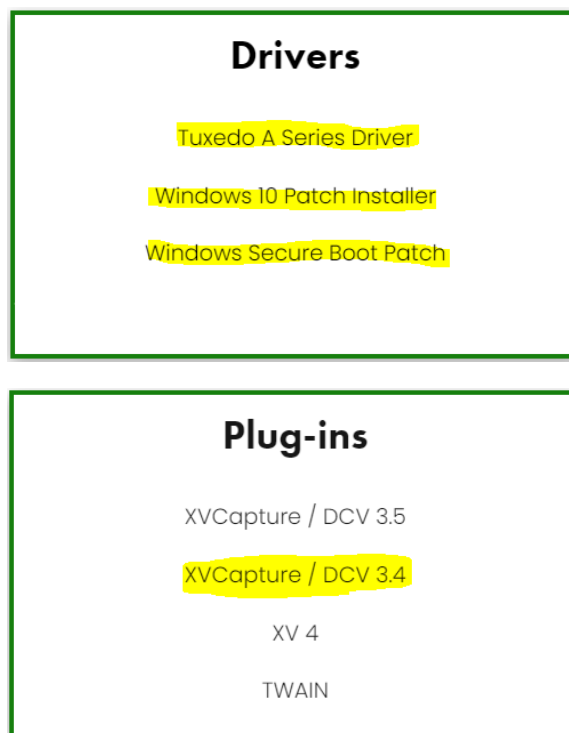
# Instructions for Installation

Operating System: Windows 10 or 11

Imaging Program: XVCapture version 3.4 (and rebrands)

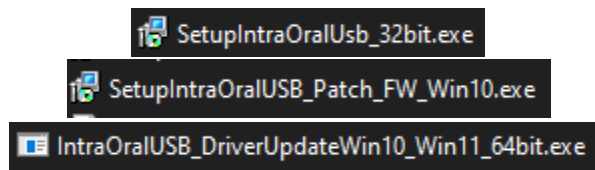
**Files needed:** (files can be found at [www.tuxedoimaging.com](http://www.tuxedoimaging.com) under Support & Downloads)

- Tuxedo A Series Driver, Windows 10 Patch Installer, and Windows Secure Boot Patch
- XVCapture / DCV 3.4



**Step 1:** Ensure that the Tuxedo A Series sensor is **NOT** plugged into the PC.

**Step 2:** Install the Tuxedo A Series Driver, Windows 10 Patch, and Secure Boot Patch one after the other (*filenames seen below*)

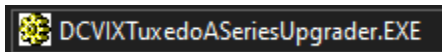


*This process may prompt for a restart of the PC, if that happens, restart the PC before moving forward.*

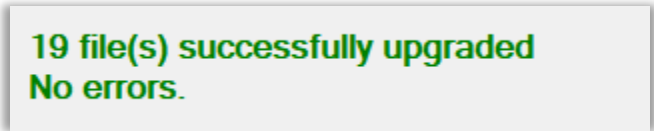


**Step 3:** Run XVCapture (or rebrand) **as administrator**, let the program open, and then close the program with the 'X' in the upper right-hand corner.

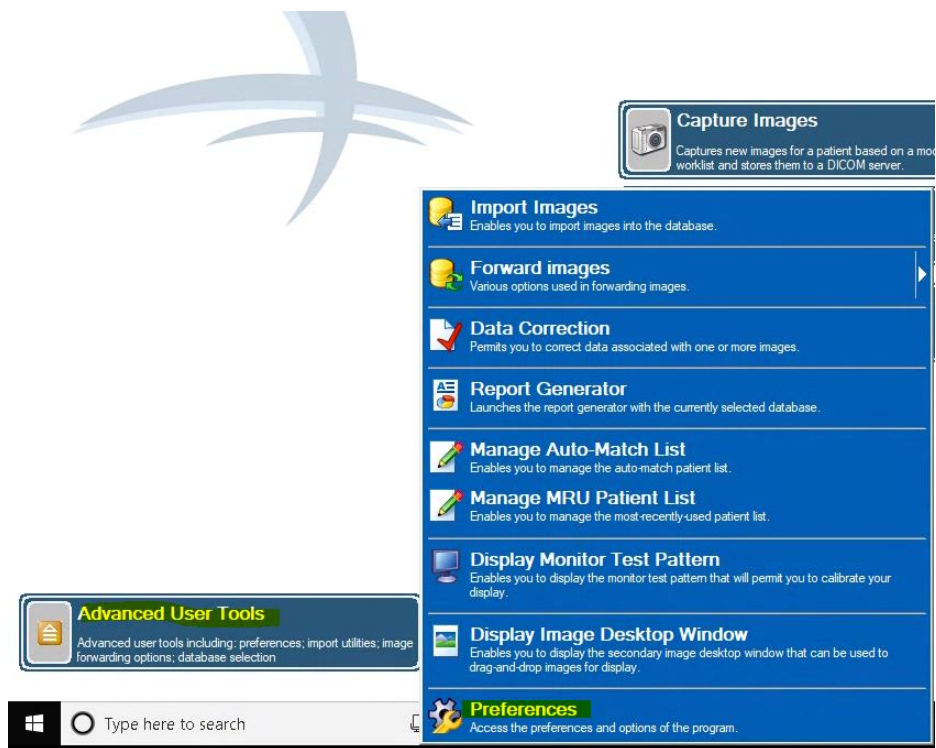
**Step 4:** Install the XVC Upgrader, by running it as Administrator. (*filename seen below*)



- Click "Next" in the installer window until, and "Yes to All" until "Finish" is no longer greyed out.
- Verify there were no errors.



- Click "Finish"
- **Step 5:** Run XVCapture (or rebrand). Go to the XVCapture/DCV main screen and click **Advanced User Tools** in the lower left. Click on **Preferences** and input the default password AKRON.



Enter User ID

User ID:

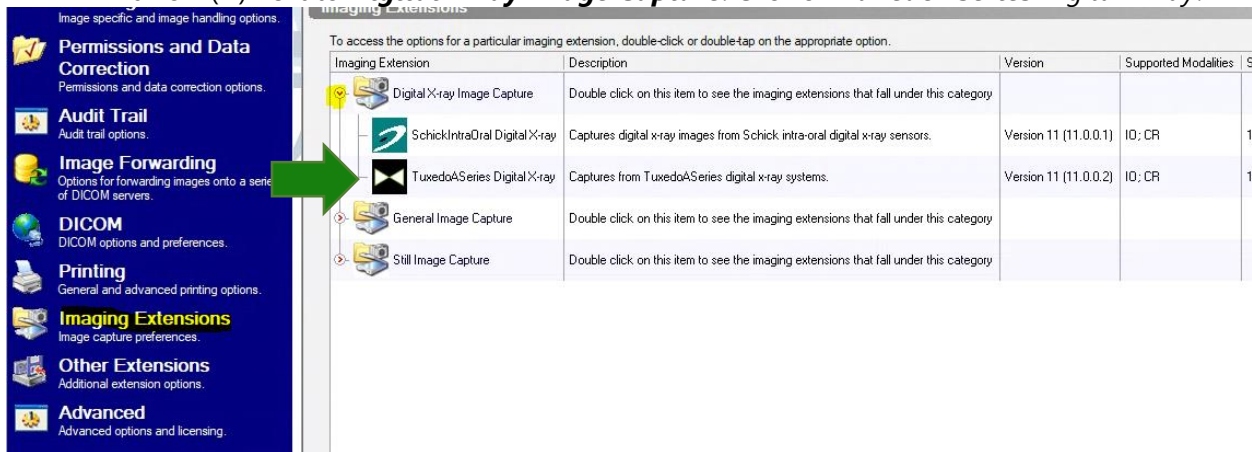
Password:

[I forgot the password!](#)

OK Accept the ID and continue.

Cancel Cancels the current operation.

- Select **Imaging Extensions** down in the blue section on the left and click on the little red arrow (>) next to **Digital X-ray Image Capture**. Click on **TuxedoASeries Digital X-ray**.



Imaging Extension	Description	Version	Supported Modalities	S
Digital X-ray Image Capture	Double click on this item to see the imaging extensions that fall under this category			
SchickIntraOral Digital X-ray	Captures digital x-ray images from Schick intra-oral digital x-ray sensors.	Version 11 (11.0.0.1)	ID; CR	1
TuxedoASeries Digital X-ray	Captures from TuxedoASeries digital x-ray systems.	Version 11 (11.0.0.2)	ID; CR	1
General Image Capture	Double click on this item to see the imaging extensions that fall under this category			
Still Image Capture	Double click on this item to see the imaging extensions that fall under this category			

- Adjust the image quality screen as seen below, and then click on the **Modify Post Capture Filters** to go to the next section.

**Capture Depth**  
16-bit capture

**What type of image processing should be applied to the image?**  
 Apply image filtering

**Modify Post Capture Filters**

Permits you to modify the image filters that are automatically applied to an image after it has been captured.

**What type of Apteryx General Enhancement (Aimg.DLL) filters should be applied to the image?**

Enhance Local Contrast (CLAHE) Scale = 5; Clip = 3.80 Edit

Adaptive Normalize Low = 0.002; High = 0.002 Edit

Median Blur Mask Size: 3x3

Sharpen Mask Mask Size: 19x19 Factor: 15

Gauss Blur Mask Size: 3x3

Unsharp Mask Mask Size: 3x3 Factor: 80

**Filters Applied After Image Capture:**

Macro	Modality Restriction	Parameters	Apply To Hardware	Exclude Hardware
Gamma Correction	None	Factor = 0.80	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Double click on the Gamma Correction to adjust the Factor. If there are any other items in the Filters box, right click on each one and use “Delete Selected Filter” to remove it so that only Gamma Correction remains.

**Step 7:** On the left-hand side menu, click **Hardware Settings** and make the adjustments as seen below.



**Miscellaneous Hardware Options**

Show switch sensor button

Close hardware between each capture

Make corners black

Enable image binning

Enable underexposure detection

Enable logging

Close hardware between each progression

Auto rearm

Hardware Timeout: 300

**Xray Detection Options**

Detection Mode: XVIS detection

XVIS detection threshold: 250 mV

**Acquisition Options**

Integration Mode: Max between TWI and X det

Integration Time (ms): 3000

Gain: 1.5

**Chain Options**

Chain offset: Computed by COC

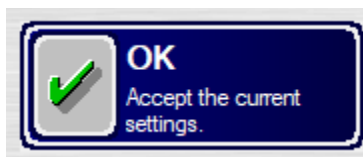
Manual chain offset (mV): 0

**Correction Options**

Enable image correction (change will take effect when the hardware is opened next time)

Correction Files Path: C:\Users\Fred\Documents\Tuxedo Imaging\My Documents\Tuxedo Imaging\...

**Step 8:** Press **OK** until you are back to the main screen.



**Step 9:** To obtain the calibration files for your Tuxedo sensor, please contact Tuxedo Imaging support.