

## Instructions for Installation

Operating System: Windows 7

Imaging Program: XVCapture version 3.4 (and rebrands)

**Note:** Windows 7 is no longer a supported Operating System from Microsoft. Support for Windows 7 was discontinued in 2020 and receives no further security updates to the operating system. This in turn, makes Windows 7 a security risk, and is no longer considered to be HIPPA compliant.

Files needed: (files can be found at <u>www.tuxedoimaging.com</u> under Support & Downloads)

- Tuxedo A Series Driver
- 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 (filename seen below)

🚏 SetupIntraOralUsb\_32bit.exe

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

**Step 3:** Plug in the Tuxedo A Series sensor into the computer's USB port directly. You will likely be prompted with a pop-up of Windows searching for the driver software.

Driver Software Installation	-	×
Your device is ready to use		
	Ready to use Ready to use	
		Close

• You will need to wait for both green checkmarks to appear, before you can close this prompt. This process may take several minutes.

**Step 4:** 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 5:** Install the Tuxedo 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 <u>AKRON</u>.

	Capture Images Captures new images for a patient based on a mox worklist and stores them to a DICOM server.
	Enables you to import images into the database.
	Forward images Various options used in forwarding images.
	Permits you to correct data associated with one or more images.
	Report Generator Launches the report generator with the currently selected database.
	Manage Auto-Match List Enables you to manage the auto-match patient list.
	Manage MRU Patient List Enables you to manage the most-recently-used patient list.
	Enables you to display the monitor Test Pattern Enables you to display the monitor test pattern that will permit you to calibrate your display
Advanced User Tools Advanced user tools including: preferences; import utilities; image forwarding options; database selection	Display Image Desktop Window     Enables you to display the secondary image desktop window that can be used to     drag-and-drop images for display.
E O Type here to search	Preferences Access the preferences and options of the program.
Enter   Icer  D	×
	aiity
User ID: admin	
Password:	
I forgot the password!	OK Accept the ID and continue.

• 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*.



-	Image specific and image handling options.	To access the options for a particular imaging	extension double-click or double-tap on the appropriate option			
N	Correction	Imaging Extension	Description	Version	Supported Modalities	9
	Permissions and data correction options.	💡 豒 Digital X-ray Image Capture	Double click on this item to see the imaging extensions that fall under this category			
-	Audit I rail Audit trail options.	SchickIntraDral Digital X-ray	Captures digital x-ray images from Schick intra-oral digital x-ray sensors.	Version 11 (11.0.0.1)	10; CR	1
	Image Forwarding Options for forwarding images onto a serie of DICOM servers.	TuxedoASeries Digital X-ray	Captures from TuxedoASeries digital x-ray systems.	Version 11 (11.0.0.2)	IO; CR	1
		S General Image Capture	Double click on this item to see the imaging extensions that fall under this category			
4	Printing General and advanced printing options.	⊗ Still Image Capture	Double click on this item to see the imaging extensions that fall under this category			
	Imaging Extensions Image capture preferences.					
	Other Extensions Additional extension options.					
-	Advanced Advanced options and licensing.					

Adjust the image quality screen as seen below, and <u>then</u> click on the Modify Post
 Capture Filters to go to the next section.



What type of image p	rocessing sho	ould be	applied to	o the	image?			
A Apply image intening								
Modify I	Post Capt	ure Fi	Iters					
12							-	
Permits vou tr	o modify the imag	ne filters t	hat are aut	omatic	ally applied	to an		-
image after it	has been captur	red.		omatic	any applied			
What time of Antonio	Conserved Early		-+ (Alma I		Citian ala	udd be .	maliad	to the im-
what type of Apteryx		anceme	ni (Aumg.i	JLL)	niters sno		applied	to the ima
I Enhance Local Cont	Enhance Local Contrast (CLAHE)		= 5; Clip = 3	3.80				Ed
Adaptive Normalize		Low =	0.002; Hig	h = 0.0	002			Ed
🔀 Median Blur		Mask Size:	3×3	~				
X Sharpen Mask		Mask	19×19	~	Factor:			15
F Cours Dia		Mask	2.2					
		Size:	3×3	~				
Unsharp Mask		Mask Size:	3×3	$\sim$	Factor:			80
ilters Applied After Im	age Capture:							
Macro	Modality Re	striction	Paramet	ers	App	ly To Hard	dware	Exclude H
🔍 Commo Correction	None		Factor =	0.80				
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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.



Close hardware between each capture     Make comers black     Enable image binning     Enable underexposure detection		Close hardware between each progression Auto rearm Hardware Timeout: 300 ~			
Xray Detection (	Options				
Detection Mode:	XVIS detection $\checkmark$	XVIS detection threshold: 250 mV			
Acquisition Option	ons				
Integration Mode:	Max between TWI and X det( $ \smallsetminus $	Integration Time (ms): 3000	▲ ▼		
Gain:	1.5 ~				
Chain Options					
Chain offset:	Computed by COC V	Manual chain offset 0	*		
Correction Optio	ns	(mv).			
Enable image co	prrection (change will take effect whe	n the hardware is opened next time)			

**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.