Ann Arbor Digital Devices, Inc.

19720 Cavanaugh Lake Rd.
Chelsea, MI 48118
(734)730-2232   Fax (734)475-3114
www.a2d2xray.com   a2d2help@gmail.com

Model 128s Preferences

Image Tab

Image Orientation – Image orientation (portrait or landscape) and flips can be set and will be applied to all images when they are opened so images will present in the preferred orientation

Applies Non-Uniformity correction if the program has been written and a "raw_frame.dat" file is in the default XRAYS folder.
The Background level should be set to 0

Adds a gray border to the image which makes it easier to distinguish different images when tiled, the number determines the thickness of the border
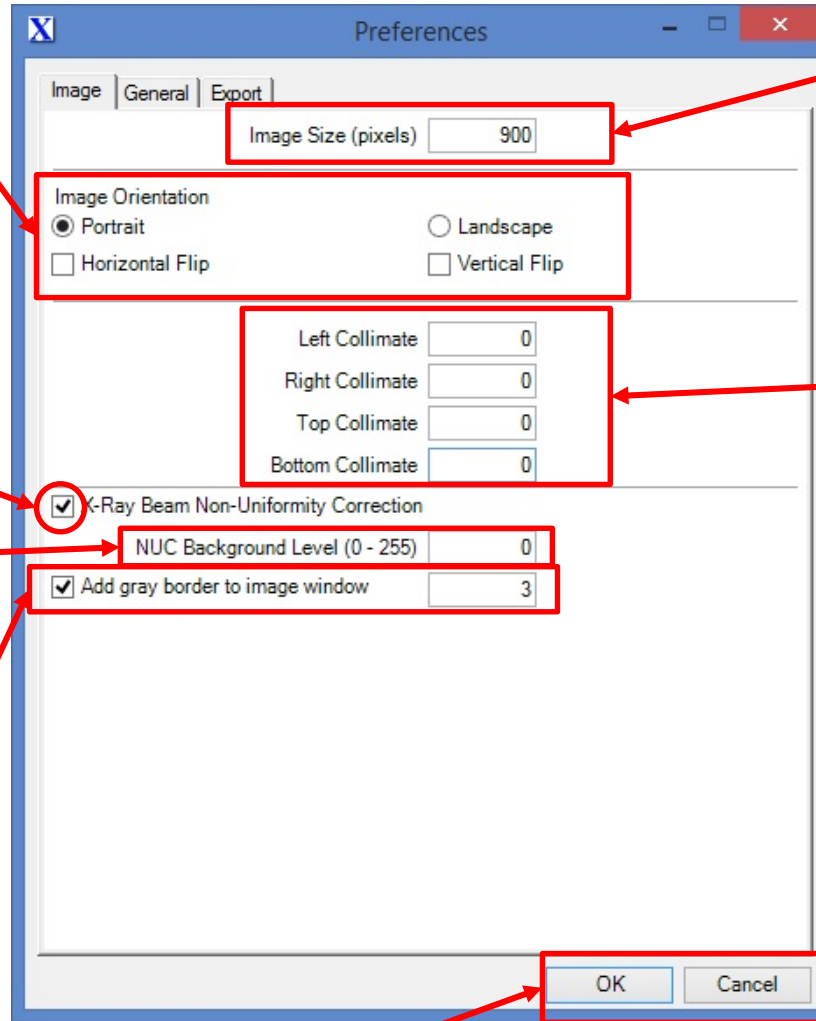
Image Size (pixels) – controls the size of the image based on the resolution of the monitor (the same setting will look different on different monitors)

Collimate – Crops part of the image when it is displayed on the screen. The A2D2 Model 128s doesn't have much overscan so collimation generally isn't necessary, some slight collimation can be used if desired
Note: This is digital collimation and does NOT control the X-Ray machine so physical collimation must be used to limit the beam if necessary

Preferences

Image | General | Export

Image Size (pixels)   900

Image Orientation
○ Portrait   ○ Landscape
☐ Horizontal Flip   ☐ Vertical Flip

Left Collimate   0
Right Collimate   0
Top Collimate   0
Bottom Collimate   0

☑ X-Ray Beam Non-Uniformity Correction
NUC Background Level (0 - 255)   0
☑ Add gray border to image window   3

OK   Cancel

To close the window and save the changes click on "OK" to close the window without saving click on "Cancel"

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Model 128s Preferences

General Tab

Sets the Facility name that will be assigned to all X-Rays that are taken

Changes the color of measurement tools

These settings are generally not changed

Sets image acquisition to be controlled by one button, all images will be taken in the portrait orientation

Allows a password to access the A2D2 software to be used, set and changed

This is where the names of the Doctor's who will be ordering the X-Rays should be entered so the correct Doctor will be associated with each X-Ray taken. These names will always be displayed in Alphabetical order

Sets the length of the long axis of the raw image for measurements, the Model 128s should be set to 12 since that is the length of the image

SID setting for the X-Ray system, generally will be 28 for Podiatry

Determines what Technique chart will be displayed when "Technique" is clicked on in the word toolbar, "Pod" is the best technique chart for Podiatry

Sets the starting numeral for the shot clock (countdown), the pull down menu has several choices

Sets image acquisition to be controlled by two buttons, images can the take in either the portrait or landscape orientation

To close the window and save the changes click on "OK" to close the window without saving click on "Cancel"

Preferences dialog

Image | General | Export

Facility: Facility Name

Field Of View long axis (inches): 12
X-Ray Head Anode Distance (inches): 28
Measurement line color: Yellow
Technique chart: Pod

Shot clock starting numeral: 10
☑ Display shot clock while capturing image
☑ Dings While Capturing Image
☑ Cache processed images in XRAYS_DATA

Image acquisition buttons
○ One button   ◉ Two for Portrait/Landscape (AP/DP)

☐ Startup prompt for user and passwor   Change Password

Doctors
Last Name
Doctor's
Names

OK   Cancel

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Model 128s Preferences

Export Tab

Sets the quality of the HQ JPEG being saved (100 is highest quality), the higher the quality the lager the file. Most monitors in use today the difference between a 50 jpeg and a 100 jpeg can't be seen

This box sets the software to default to including the patient information header on HQ JPEGs by default (this can be overwritten by the user for specific jpegs if desired)

Sets the software to save an HQ JPEG when the JPEG icon on the toolbar is clicked

Sets the software to automatically send all saved JPEGS to TRAKnet

Sets the software to automatically send all saved JPEGS to SAMMY

This information is necessary when using the DICOM send function. This information should be provided by the facility where the DICOMS are being sent to

Sets the software to remind the user to save a jpeg either only when changes have been made – "Prompt if changed" or when new images are taken or changes are made – "Always save new images to JPEG"

Sets the software to save a reduced sized JPEG to a user defined folder when the JPEG icon on the toolbar is clicked

Sets the folder where reduced sized JPEGS will be saved

Sets the folder where the TRAKnet images will be sent

Sets the folder where the SAMMY images will be sent

To close the window and save the changes click on "OK" to close the window without saving click on "Cancel"

Preferences — Image | General | Export

When closing original: Always save new images as JPEG.

JPEG Quality (50 to 100)   50

☑ Include patient information header on JPEG by default
◉ Save HQ JPEG
○ Save reduced size JPEG to Image Library
   Change ...
☑ Publish saved JPEGs to TRAKnet
   Change...
☐ Publish saved JPEGs to SAMMY export directory
   Change...

DICOM
Sending AE Title   A2D2
Store SCP AE Title   SCP_STORAGE
Server Name or IP Addr   127.0.0.1
Store SCP Server Port   4006

Worklist SCP AE Title
Worklist SCP IP Addr
Worklist SCP Port   0

OK   Cancel