

Key Feature Upgrade History for Image Central™

New to Version 3.3c:

A recompile of code with the newest underlying image handling routines for dealing with TWAIN and Firewire cameras for this Version Update.

- **New Long_File_Name and Long_Path_Name hidden fields** – Now for every database created or opened in this version two new fields are automatically added which can be used for exporting, sorting, or searching. The proper long file name and long path are stored every time a record is created or for existing records if the record is modified and a new image added. This prevents possible problems from occurring when moving full resolution images to different folders or drives.
- **New Thumbs and Browse Displays** - The Thumbnail display of either 6 or 12 Thumbs is now displays the image file name under each thumbnail, the name is sourced from the new Long_File_Name field. Browse Screen now displays the long file name or the long path and long file name in status bar. These names are taken from the new fields in the database and no longer calculated.
- **Internal Monitoring Routines** - Internal routines added to code that can be turned on with ini file settings to check timing of steps for troubleshooting network problems with systems. Log and txt tracking files can be created that allow AIC to isolate where system bottlenecks occur. Significantly reduces time for AIC and client to diagnose situations.

New to Version 3.3:

- **New Directory Capacity Limits** - *No longer a drag on the network!!* Set number of megabytes (No longer file count as various cameras will create different file sizes) that go into any one folder for the storage of full resolution images while the thumbnails and overlay files are still done by a file count. The system will run the "dirsize.exe" program at specified time intervals (Not when storing images as in previous version) and will update the NETIMC.INI. This capability provides for no loss in performance on large networks.
- **New Manual** - Instruction manual covers every button and action within program and explains each item in detail. The Manual is now available through on-line help as a Word Document and as a PDF file on the CD-ROM.
- **New Installation Program** - New install program simplifies network and single user installs, serial number now located on CD cover.
- **Export Module** - Allows for exporting selected fields in database to a variety of formats including Excel, XML, Lotus, ASCII Delimited, dBasell, dBaselll, dBaselV.
- **Gray Scale Acquire** - Option in TWAIN Acquire now for Gray Scale Acquisition to create a monochrome image from a color camera.
- **Compression of Images** - User selectable formats for TIFF-LZW for Lossless or JPEG at 3 compression levels added as options to TWAIN Acquire program.
- **New Enhanced Audit Trail** - Enhanced Audit Trail now disables the AutoSharpen and all Image Enhancement features in the TWAIN Acquire window. Once an image is captured it cannot be manipulated. Once saved Read Only flag is set.
- **Simplified Security Database** - In the Security Database pop-up windows appear to aid in input of databases and passwords, in addition "Administrative" checkbox has been added for access to Find&Replace, Modify Drop down Lists, Batch Add, and Set Thumb Directory.
- **New Thumbs and Browse Displays** - The Thumbnail display of either 6 or 12 Thumbs is now enhanced with display of image file name in long file format under each thumbnail. Browse Screen now displays long file name in status bar.
- **No Clear on Add Update** - Now the toggle function uses data that is in the currently displayed record to populate fields when adding or acquiring new records to the database not the last record in database as it did previously.

New to Version 3.1:

- **Audit Trail Module - OPTIONAL MODULE AVAILABLE FOR VERSION 3.xx** - Tracks all changes to a Database Record. Allows the user to turn on an Audit Trail for a specific Database with an optional "Read Only" flag set for images. Provides Audit Reports, with all time and date stamps along with log-on user info, based on a Date Range within a specific database. Accessible through the Security Database only.
- **Enhanced Audit Trail - OPTIONAL MODULE AVAILABLE FOR VERSION 3.xx** - An upgrade to the Standard Audit Trail it is always on and images are added to database as "Read Only". Includes a "Reason for change" box with a minimum of 5 character entry for all modifications to database. Can not be disabled.
- **Disable Local Images** - Now a simpler way to manage images. This feature found in the security database will allow the administrator to set a location for storage of the full resolution image files, thumbnails, and overlay files along with the file type format. These settings are accessed from a single file (NETIMC.INI) and will override the local settings on each machine on the network (local IMC.INI). Insures that the System Administrator can keep image files well organized even with a large number of users acquiring images. When enabled it will copy all images that are "Added" to the database to the location specified in the NETIMC.INI file.
- **Directory Capacity Limits** - Through the security database you can now set the total number of files in any one folder for the storage of full resolution images, thumbnails, and overlay files. The system will constantly monitor your storage location each time it writes a new file out to that folder and check to see if it has reached its limit yet, once it does the system will automatically create a new folder and path the images to it. This capability lets user prepare for archiving off to CD or DVD or some other type of optical media.
- **Overlays created at Full Resolution** - In previous versions any image overlay created was only 400x300 pixels. Overlays are now the same size as your image (640x480, 1280x1024, 1600x1200,...) providing higher resolution without jagged edges.
- **Slide show defaults to beginning of database for design** - Previously slide-show started only from the point in the database forward when clicking on "design" – now slide show defaults to beginning of database.
- **Simplified Security Database** - In the Security Database pop-up windows appear to aid in input of databases and passwords.
- **1600x1200** - Support now for 800x600 through 1600x1200 screen sizes.

New to Version 3.0:

A complete recompile of code with the newest underlying programs and tools to bring up to WIN2K/XP Compatibility for this Version Update.

- **Drawing Tools are improved** - Drawing tools now provide much enhanced text overlay tool. Users can select different fonts and sizes and any color for overlay text.
- **Image Editing Tools enhanced** - All image editing tools now provide slider bars and thumbnail previews to see what effect on the image an enhancement has.
- **Support for long file names** - Long file names are now used and display in all windows pop up boxes for selecting images or locations for specific files.
- **USER_NAME Field Update** - Now field is locked down and cannot be changed under any circumstances.
- **Reporting Module Update** - Now no longer optional, it is part of the standard release package.

New to Version 2.5:

- **USER_NAME Field** - Now when building a database you can select to add a User_Name field to the database and it will look to the Windows log-on to populate this field so you know who created that specific record.
- **Select Printer** - You can now choose which printer to send images to from the print box – It previously was whatever was the default printer chosen by windows – you could not switch printers here.
- **Image Copy** - Images displayed in full resolution can now be copied to windows clipboard and pasted into other applications.
- **New Drop Down Combo Boxes** - Drop down lists now expanded to 36 choices and now up to 34 alpha-numeric characters for each item in list.

New to Version 2.35:

- **TWAIN Acquire Updated** - System now supports only TWAIN compliant acquisition sources. With enhanced TWAIN features for a more powerful acquisition module. Support for ISA bus Frame grabbers discontinued. Auto-sharpen and Image Enhancement features added.
- **CDROM install disk** - Network installs no longer require cryptic instructions to delete and replace files and open databases to initialize the program, one simple install does it all.
- **Printing of Overlays/Scale Bar with Image** - now the two overlay planes and the scale bar can be printed to your windows based printer without the need to burn them into image.

New to Version 2.3:

- **Batch Adding of Images** - Allows user to collect many images via scanner or camera, put them into a single folder and simultaneously input all images into the database, filling out common fields if needed. The system checks to see if image already exists in folder and will not add duplicates.
- **Display of Image Annotations on Full Screen Display mode** - Allows for viewing of overlays while in the Full View Mode for presentation purposes.
- **Printing of multiple Data Fields on top of Image** - Allows for selecting of a second overlay plane - any of the data fields and have that text - and superimposing them onto the image for printing purposes.
- **Scale Bar Marker** - A scale bar can be non-destructively overlaid onto an image, default is in lower right hand corner, but can be moved with mouse anywhere on image for printing.
- **Slide show defaults to beginning of database for design** - Previously slide-show started only from the point in the database forward when clicking on “design” – now slide show defaults to beginning of database.
- **Visual Comparison Updated** - Along with the full screen Display shows the name of the image on screen and the record number of image being viewed - previously no indication of what image was being displayed.
- **SEL/UNSEL Button** - next to a snapshot is a SEL/UNSEL button that allows user to select or unselect records for filtering or copying to another database - this powerful feature when used with the search capability or manually clicking on it, allows user to quickly subset database and select only those records for copying to laptop for meetings.

New to Version 2.15:

- **Drop Down Combo Boxes** - Allows entry of data from a drop down list for faster data entry and consistent nomenclature.
- **Printing of Overlays with Image** - Overlays can now be printed to the default windows printer without need to burn a new image to a separate file.

New to Version 2.1:

- **Optional Reporting Module** - Allows user to design and run reports from within Image Central using Microsoft Word as the report and design application. Requires knowledge of their macro language.
- **Slide Show** - Allows user to design and run “slide shows” of images in database as if they were in a carousel for formal presentations.
- **Visual Comparison** - Allows user to view images side by side – two at a time on screen—with scrolling through database with simple mouse clicks.
- **Saved Search feature** - Allows user to save a complex search and recall it at any time for sub setting of database. Complex searches now can be quickly run without time spent writing new filter every time.

New to Version 2.0:

- **TWAIN Device support** – Acquisition from TWAIN compliant devices added in addition to standard frame grabbers already supported. Acquire from hundreds of different devices without worrying about driver compatibility.
- **Quick Icons** - Allows for faster database navigation to switch quickly from Browse to ADD/Modify or Search screens at the click of a button.
- **Security Database Update** - Addition of Security Database with individual user, feature specific password protection. Limit access to database and features that are relevant to each user.
- **Find and Replace** - Allows user to update all records in a specific database field with character string replacement. Ideal for updating location of full resolution images that have been moved.
- **No Clear on Add** - Feature that allows for rapid entry of redundant data so fields remain filled in with data from last record in database.
- **Auto Naming** - Feature provides for faster image acquisition without the need to type file name and select location for image every time an acquire is done. System takes the first 5 characters of database name and appends numbers to create image file name. Storage location setup in the IMC.INI file.
- **Image Analysis Link** - Allows for immediate loading of full resolution image into your favorite imaging application directly from Image central with a click of the mouse.
- **Image Annotation** - Allows for labeling of images with text, circles, squares, lines, arrows, and freehand drawing. The annotation is kept in a separate overlay file plane to insure original image file integrity and is retrieved automatically with a toggle button.
- **Thumbnails Updated** - Significantly improved thumbnail display assures optimum quality when working at various color depths.

- **Multiple Images per Record (MIR)** - Feature that allows for more than one image per main record through the use of a second database underneath of the master database.
- **Image Processing/Viewing** - Significantly improved image processing capabilities for better image quality for printing or presentation. Faster image file viewing and zooming.

PLEASE NOTE: The information provided is meant to assist existing users in upgrading. Only the most significant additions to each version are listed. Each version change also contains a number of smaller enhancements and modifications not listed, including bug fixes.