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ECABupGrade

- This program can be used to upgrade the 3 components (ECA, ECB and ECN) of a camera adapter system, and can upgrade multiple systems in a single use.

Requirements

- Put ecabupgrade.exe, and all the support files (library.zip, w9xpopen.exe, python24.dll, MSVCR71.dll), the supplied rev_def.ini and the sample camsys.ini into the same directory, somewhere above the .BIN files you wish to load. For example you may want to put them in C:\EVERTZ\ECA_ECB * Copy the camsys.ini file for reference purposes, to something like camsys_original.ini.
- Edit the camsys.ini file so that it more accurately reflects your multi-camera system
- You may choose to place all the ECA, ECB and ECN software into the same directory, or into a subdirectory (such as C:\EVERTZ\ECA_ECB\FIRMWARE), or into individual subdirectories (such as C:\EVERTZ\ECA_ECB\REV_1_1 etc)

Usage

- Open a "DOS Prompt" or "Command Prompt" window
- Change to the directory where you put ECABupGrade.exe. For example "CD C:\EVERTZ\ECA_ECB\"
- Type "**ecabupgrade -h**" to check that the program runs, and will give you a list of help information
- Connect a network cable to the ECB. Make sure your PC is configured to connect to the same network as the ECA/ECB system (default IP 192.168.9.xx)
- Make sure the ECA and ECB are powered on, and the ECA is connected by fiber to the ECB

Examples of Checking the latest available software

- "**ecabupgrade --noupgrade**" -- This will examine the current directory, and all subdirectories, searching for the latest firmware for each of the ECA, the ECB and ECN components of the system. The "**--noupgrade**" option will allow you to proof check the files and connections. The program will list which files would have been sent to which IP addresses.
- "**ecabupgrade -D FIRMWARE --noupgrade**" -- shows how to access *.BIN files which are located in a different directory, such as C:\EVERTZ\ECA_ECB\FIRMWARE. You may specify a relative or absolute directory path for the program. N.B. the option "-D" is a capital letter.
- "**ecabupgrade -s 1 -s Q --noupgrade**" -- shows how to select a specific system(s), as defined in camsys.ini, such as the camera system labeled "1" and the camera system labeled "Q"
- "**ecabupgrade -t ecb -t ecn --noupgrade**" -- shows how to select only a certain type(s) of software to upgrade, such as the ECB software and the ECN software.
- "**ecabupgrade -b 192.168.9.11 -a 192.168.9.12 -a 192.168.9.22 --noupgrade**" -- Shows how to select specific destination(s) which are not defined in your camsys.ini file, such as the ECB located at 192.168.9.11 and the ECA's located at 192.168.9.12 and 192.168.9.22
- "**ecabupgrade -d ..\camsys_alternate.ini --noupgrade**" -- similar to the first example, but shows how to specify a different system definition file (in this case a file called camsys_alternate.ini in the directory above the current directory), rather than the default camsys.ini file from the current directory. **Notice that the "-d" option is LOWER case.**
- "**ecabupgrade -r ..\rev_def_alternate.ini --noupgrade**" -- similar to the first example, but shows how to specify a different revision definition file (in this case a file called rev_def_alternate.ini in the directory above the current directory), rather than the default rev_def.ini file from the current directory. **Notice that the "-d" option is LOWER case.**

Examples of specifying Specific software

- *"ecabupgrade -A ECA_B_HD_123.BIN -B ECB_B_HD_456.BIN --nougrade"* -- shows how to select a specific .BIN file for the ECA and ECB. In this example, the ECN will be selected from latest available, as discussed above
- *"ecabupgrade -R 1.0.050826 --nougrade"* -- in this example the various build numbers associated with Revision 1.0.050826 will be determined from the default ref_def.ini file, and will be sent to all the systems defined in the default camsys.ini file

Examples of loading software

- *"ecabupgrade"* -- in this example, of the easiest way to load the software, the program will examine the current directory and all it's subdirectories to determine the latest software to load for the ECA, ECB and ECN components and will attempt to load them to each of the systems defined in camsys.ini. The user will be notified of destinations that are not on line. When a destination is sucessfully found, the user will be prompted for a Y(ES) answer for each of the destinations. If the new software and the old software are the same build number, the user will be prompted again for a Y(ES) answer.
- *"ecabupgrade -y"* -- this example is similar to the previous, except that there will be no user prompts. It is the same as answere Y(ES) to all the prompts.
- *"ecabupgrade -y --boot"* -- this example shows the addition of the "--boot" option which causes the destination to reboot after the new software is loaded.
- *"ecabupgrade -y --factoryreset"* -- this example shows the addition of the "--factoryreset" option which causes the destination to erase all the saved settings (INCLUDING IP ADDRESSES!!!!) after the new software is loaded, and then reboot.

Help

```
usage: ecabupgrade [options]
       a program for upgrading all the software in multiple ECA/ECB/ECN systems
```

```
where inputfile is a configuration command file
containing configuration commands for one or both ECA and ECB units
```

```
options:
```

```
--version          show program's version number and exit
-h, --help         show this help message and exit
-a HOSTADDR_A, --a_addr=HOSTADDR_A
                  (multiple) source ECA IP address/hostname (disables
                  -d)
-b HOSTADDR_B, --b_addr=HOSTADDR_B
                  (multiple) source ECB IP address/hostname (disables
                  -d)
-n HOSTADDR_N, --n_addr=HOSTADDR_N
                  (multiple) source ECN IP address/hostname (disables
                  -d)
-A ECABINFILE, --eca=ECABINFILE
                  .BIN file for ECA software
-B ECBBINFILE, --ecb=ECBBINFILE
                  .BIN file for ECB software
-N ECNBINFILE, --ecn=ECNBINFILE
                  .BIN file for ECN software
-D BINDIR, --srcdir=BINDIR
                  Directory for ECA/ECB/ECN .BIN files
-d SYSDEFFILE, --sysdeffile=SYSDEFFILE
                  File containing definitions of IP address groups
                  (default camsys.ini)
-r REVDEFFILE, --revdeffile=REVDEFFILE
```

ECABupGrade

```
File containing definitions revisions(default
rev_def.ini)
-R REVISION, --revision=REVISION
--SD
  Select a specific revision group
  Select SD software (default HD)
-v, --verbose
  Verbose mode
-V, --verbosedef
  Verbose mode of parseing SYSDEFFILE
-f, --feedback
  Show server feedback
-q, --quiet
  Quiet mode
-s SUBUNIT, --subunit=SUBUNIT
  (multiple) select only section heading (such as 1 or
  Q) addresses from SYSDEFFILE
-t SUBTYPE, --type=SUBTYPE
  select only types (such as ECA or ECB or ECN or ALL)
  of addresses from SYSDEFFILE
--noaction
  Print arguements, process controls and quit
--noupgrade
  Do everything except actually send the upgrade file
--norecursedir
  Do not recurse into subdirectories
--factoryreset
  Reset unit to factory defaults
--boot
  Re-boot unit
-y, --overwrite
  Allow automatic overwrite of destination files
```