Firmware Release Notes

Product: Encoder Firmware
Version: A1D-220-V3.14.19-AC
Date: 2012.10.02

Important Notice about Firmware upgrade rule

If you are upgrading from 3.08.08 or earlier, do not upgrade directly to 3.14.19. Please complete upgrade to 3.09.14 first, then upgrade to these firmware v3.12.15, v3.13.16 and v3.14.19 sequentially.

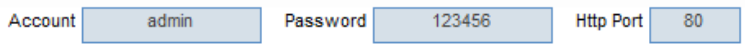
Firmware Before Upgrading	Firmware upgrade rule	Upgrade by
3.08.08 or earlier	Please upgrade to v3.09.14 first Warning: Do not upgrade directly to 3.1x.xx, Device will show error message "Firmware Version Mismatch", and upgrade will not complete.	IP Utility v4.1, Internet Explorer 6 or 7 **(Internet Explorer 8 not supported)**
3.09.14	Please upgrade to v3.12.15	
3.12.15	Please upgrade to v3.13.16	IP Utility v4.1, Internet Explorer 6,7 or 8
3.13.16	Please upgrade to v3.14.19	

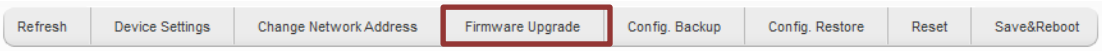
Get Ready for Upgrade

1. Download the IP Utility v4.1.06 or newer version from ACTi Download Center http://www.acti.com/downloadcenter

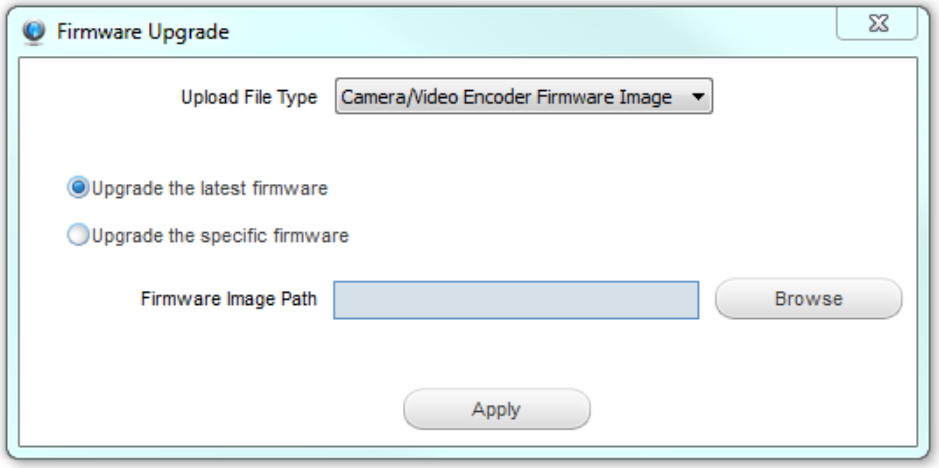
Camera Firmware Upgrade Procedure

1. Run IP Utility.
2. Please save the downloaded firmware files and keep their filenames unchanged.(It is suggested to place the firmware files in the same folder with IP Utility for easy management)
3. Please select the camera models you want to upgrade in the model list that IP Utility has found. At this point you can see directly within IP Utility which ACM models do not have the latest camera firmware yet.
4. Input camera's account, password and HTTP port number value and click "Firmware Upgrade" on Configuration tool bar.





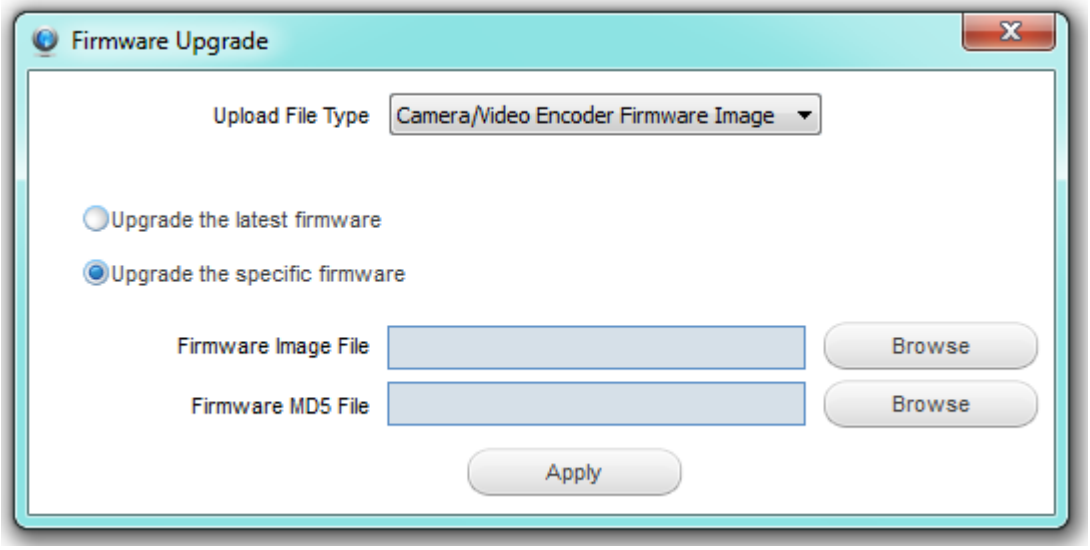
The following pop-up window will appear.



5. Please read "**Important Notice about Firmware upgrade rule"** first, otherwise you may see "Conflict upgrade rule" in Status of IP Utility.

   If the firmware version before upgrading is v3.13, please select "Camera/Video Encoder Firmware Image" and "Upgrade the latest firmware" to have IP Utility automatically decide the firmware file <A1D-220-V3.14.19-AC.upg> and <A1D-220-V3.14.19-AC.md5> from the location you give.

   If the firmware version before upgrading is v3.12 or earlier version, please select "Upgrade the specific firmware" and click "Browse" button to choose the specific "Firmware Image File" or "Firmware Image Path" folder location, and click "Apply".



The device needs 6 minutes for FW upgrading, and it will reboot automatically and show return message “Success” after the image upload completes.

6. Then user can login to camera’s Web Configurator by typing the camera’s IP address to the IE browser’s address bar to check if the new camera’s firmware has been correctly loaded into camera.
   “Setup”→“System” → “System Info”
   If you see the new firmware version there, then everything is correct.

Enhancement

1. Support HTTPS encryption
   - User can create a self-signed certificate or send the CSR (Certificate Signing Request) and install signed certification by a trusted Certificate Authority (CA).
2. Support HTTP Digest Authentication authenticates.
3. Support SNMP function
4. Support image saving by URL Command
   http://ip:port/jpg/image.jpg
5. Protection mechanism against excessive network packets (http sessions, serial hex commands, frequently changing streaming method…etc.) or video encoder receive unusual single.
6. The size of event handler's snapshot will depend on MJPEG quality settings.
7. The snapshot of Event Handler has more precise time control.
8. Day/Night switch algorithm enhancement on ACM-8511.

Bug Fixed

1. DDNS setting is not saved after save and reboot
2. For “Send URL commands” function in Event Handler, second HTTP CGI command might not be executed on time after first HTTP CGI command changes video parameters.
3. Camera may show “Rtsp:Error. Create socket” message in web configurator when using RTP over UDP protocol.

Limitation

1. To disable the event rule, please also erase the Response settings.
2. For ACM-8511, Auto Scan function might be stopped when “Return to Auto Scan” time is too short and device executed other Pan Tilt operations at the same time.
3. It is not recommended to set motion sensitivity value as 100.
4. For 1280x720 or 1280x1024 resolution, the OSD function is unable to cover full screen, the forbidden zone is 256x720 or 256x1024.
5. For CMOS camera models, “Hold Current” function in White Balance Mode is unable to save after power cycle or Save Reboot the device.
6. Active mode of FTP Server in Event function will not work on ACD multi-channel video encoders.

Remark

1. For PTZ operations with Standalone NVR (XNR-4200, GNR-2000), please upgrade to this version on video encoder.