TV-IP612-1.0.1 NIPCA1.9.1 support table

2010/10/07

Network Surveillance Software Dept.I

Revision

Version	Date	Author	Comment
1.9.1	2010/7/7	Rudy Chung	3.5.3. Newly add get Recorder action
			3.5.4. Newly add set Recorder action
			3.5.5. Newly add get Snapshot action
			3.5.6. Newly add set Snapshot action
			3.5.7. Newly add get Alarm out action
			3.5.8. Newly add set alarm out action
			5.1.13 get, set the type of focus function: auto focus or manual focus
			5.1.14 adjust the focus manually, focus in or focus out from current position
			Remove unsupport list.
			Fix wording and wrong statements.
1.8	2010/4/15	Ryan Hsu	4.1.8 Modify audio uploading method
			3.7 Update whole SD card section.
			3.5.11 Add enable, prefix and interval field.
			3.5.13 Add enable field.
			3.5.15 Add enable field.
1.7	2009/09/18	Ryan Hsu	3.3.18, 3.3.19 add authentication control for live video and snapshot
			5.1.10, 5.1.11 add Auto Patrol/Auto Pan for PTZ control function
			5.1.12 Configure auot patrol preset sequence order.
			3.6.5 add example html to submit firmware to ip camera.
			4.1.2 add 'profileid' optional parameter.
			4.1.3 change this section to MPEG-4 elementary stream CGI.
			4.1.5, 4.1.6, 4.1.9 refine the description of parameter "profileid".
			3.3.4, 3.3.5, 3.3.6 add sharpness
			3.4.14 add wireless strength function
1.6	2009/03/09	Ryan Hsu	3.3.5, 3.3.6 add videoinformat for some video server models.
			3.3.13 add reset sensor to default configuration' function.
			5.1.1 add item "customizedhome" to indicate whether camera support 5.1.9 function or not.
			5.1.9 Add PTZ home manifest command.
1.5	2008/11/24	Ryan Hsu	3.4.1 add httpexternalport, rtspport and rtspexternalport
			3.5.3, 3.5.4 change 'actions' and 'action' keyword to be 'handlers' and 'handler'
			4.1.2 change MJPG boundary string to resolve Safari's bug
			5.2.1 unify the speed range to 1-10
			7.1.1-7.1.3 to support customized url entry of RTSP live stream.

Firmware version: 1.0.1-4702

NIPCA version: 1.9.1

Test command:

In Linux:

 Notes, please add "-u <user>:<password>" for the authentication of admin.

 Get request:

  curl -u admin:admin http://172.19.150.89/XXXX/XXXX.cgi

 Set request:

  HTTP GET request:

   curl -u admin:admin http://172.19.150.89/XXXX/XXXX.cgi

   -d"name=CS-637N&location=MyRoom" -G -v

  HTTP POST request:

   curl -u admin:admin http://172.19.150.89/XXXX/XXXX.cgi

   -d"name=CS-637N&location=MyRoom" -v

In Windows:

 Get request:

  Input the URL: http://172.19.150.89/config/camera_info.cgi in browser.

Set request:

Input the URL: http://172.19.150.89/config/camera_info.cgi?name=CS637N&location=Classroom in browser.

Note:

NIY : Not Implement Yet

NA : Not Available (No this functionality in this IPCAM.)

Chapter	CGI	Support	Comment
3.1.1	/common/info.cgi	PARTIAL	No support product, brand and nipca fields.
3.1.2	/users/verify.cgi	NIY	
3.1.3	/config/camera_info.cgi	FULL	
3.1.4	/config/camera_info.cgi -d"name=SF1301&location=MyRoom" /config/camera_info.cgi -d"name=sf1301& location=" /config/camera_info.cgi -d"name=&location=MyRoom"	FULL	Max length = 36 characters
3.1.5	/config/datetime.cgi	FULL	
3.1.6	/config/datetime.cgi -d"method=2&timezone=66&date=2009-04-22&time=14:09:30&dstenable=no&dstauto=no&offset=-1:30" /config/datetime.cgi -d"method=1&timeserver=ntp1.dlink.com&timezone=66&dstenable=no&dstauto=no&offset=%2b1:30" /config/datetime.cgi -d"method=0&timezone=66&dstenable=yes&dstauto=no&offset=-1:30&starttime=4.5.3/17:30:00&stoptime=5.5.5/18:30:00"	FULL	1. The offset can be positive or negative. Range: -2:00, -1:30, -1:00, -00:30, 00:30, 1:00, 1:30, 2:00. 2. Set date and time about 5 seconds. Set daylight saving about 11 seconds. Set NTP about 17 seconds.
3.2.1	/config/user_list.cgi /config/user_list.cgi –d"name=admin"	FULL	
3.2.2	Modify the password of admin: /config/user_mod.cgi -d"name=admin&password=YWRtaW5z&group=Administrator" curl -u admin:admins http://172.19.148.79/config/user_list.cgi -d"name=admin" Add an user: curl -u admin:admin http://172.19.148.79/config/user_mod.cgi -d"name=admins&password=YWRtaW5z&group=Users"	PARTIAL	1. You can't add a user into the Administrator group. 2. The password of admin can't be set to empty. 3. User name maximum length: 30 characters. User name minimum length: 1 character. 4. Password maximum length: 30 characters. Password minimum length: 0 character.

	curl -u admin:admin http://172.19.148.79/config/user_list.cgi -d"name=admins"		5. No support group field.
3.2.3	/config/user_list.cgi /config/user_del.cgi -d"name=admins" /config/user_list.cgi	FULL	
3.2.4	/config/group_list.cgi	NIY	
3.3.1	/config/stream_info.cgi	PARTIAL	No support /video/video.cgi (no vprofileformat field).
3.3.2	/config/video.cgi -d"profileid=1"	PARTIAL	No support /video/video.cgi (no vprofileformat field).
3.3.3	/config/video.cgi -d"profileid=1&resolution=640x480&bitrate=2048&codec=MPEG4&framerate=30"	PARTIAL	1. No support goplength field. 2. The quality field is only used in MJPEG codec type. 3. The bitrate field is only used in MPEG4 codec type. 4. The quality field has the following define: setting getting(response) 01~60 (0) 55 61~70 (1) 65 71~80 (2) 75 81~90 (3) 85 91~100 (4) 95 5. The codec type of profile3 is always MJPEG. 6. The codec type of profile4 is always MPEG4. 7. After setting changed, IPCAM will reboot.
3.3.4	/config/sensor_info.cgi	FULL	
3.3.5	/config/sensor.cgi	PARTIAL	No support maxexposuretime.
3.3.6	/config/sensor.cgi -d"brightness=50&contrast=50&saturation=50&hue=50&whitebalance=disable&flicker=auto&autoexposure=no&backlightcomp=no&noisereduction=high&flip=off&mirror=off&autogainctrl=yes&color=yes"	PARTIAL	No support maxexposuretime. To use this CGI, you need to set the field value according to 3.3.4 sensor_info.cgi.
3.3.7	/config/audio.cgi -d"profileid=1"	NA	
3.3.8	/config/audio.cgi -d"profileid=1&codec=PCM&samplerate=8&channel=1&bitrate=128"	NIY	
3.3.9	/config/mic.cgi	FULL	
3.3.10	/config/mic.cgi -d"enable=no" /config/mic.cgi -d"volume=80"	FULL	Volume value is limited in : 0,10,20,30,40,50,60,70,80,90,100
3.3.11	/config/speaker.cgi	FULL	
3.3.12	/config/speaker.cgi -d"enable=no" /config/speaker.cgi -d"volume=90"	FULL	Volume value is limited in: 0,10,20,30,40,50,60,70,80,90,10

			0
3.3.13	/config/sensor_reset.cgi	NIY	
3.3.14	/config/stream_auth.cgi	NIY	
3.3.15	/config/stream_auth.cgi	NIY	
3.4.1	/config/network.cgi	NIY	
3.4.2	/config/network.cgi -d"dhcp=on&ip=192.168.0.20&netmask=255.255.255.0&gateway=192.168.0.1&dns1=192.168.0.1&dns2=192.168.1.1&pppoe=on&pppoeuser=ryan&pppoepass=ryan&ddns=on&ddnsprovider=dlinkddns&ddnshost=DLink-DDNS&ddnsuser=ryan_ddns&ddnspass=ryan_ddns&upnp=on&httpport=80&httpexternalport=80&rtspport=554&rtspexternalport=554"	NIY	httpport range: 1 ~ 65535 httpexternalport range: 1 ~ 65535 rtspport range: 1 ~ 65535 rtspexternalport range: 1 ~ 65535 The httpport can't equal to rtspport. The httpexternalport can't equal to rtspexternalport.
3.4.3	/config/pppoe.cgi	FULL	
3.4.4	/config/pppoe.cgi -d"pppoe=on&user=pppoe_ryan&pass=pppoe_ryan"	FULL	1. User name maximum length: 32 characters. User name minimum length: 1 character. 2. Password maximum length: 60 characters. Password minimum length: 1 character.
3.4.5	/config/ddns.cgi	NIY	
3.4.6	/config/ddns.cgi -d"ddns=on&provider=dyndns&host=DynDNS&user=ddns_ryan&pass=ZGRuc19yeWFu "	NIY	1. Please reference the providers field in the 3.4.5 for provider argument. 2. Host name maximum length: 36 characters. Host name minimum length: 1 character.
3.4.7	/config/upnp.cgi	FULL	
3.4.8	/config/upnp.cgi -d"upnpav=off&upnpcp=off"	FULL	
3.4.9	/config/httpport.cgi	FULL	
3.4.10	/config/httpport.cgi -d"httpport=65535"	FULL	httpport range: 1 ~ 65535
3.4.11	/config/wireless.cgi	FULL	
3.4.12	/config/wireless.cgi -d"enable=on&mode=managed&essid= SL-DIR655&auth=open&encryption=WEP&format=hex&keylength=64&activekey=1&key1=0910757751" /config/wireless.cgi -d"enable=on&mode=managed&essid=SL-DIR655&auth=WPA2-PSK&encryption=AES&passphrase=0910757751"	FULL	

3.4.13	/config/wlansignal.cgi	NIY	
3.4.14	/config/wlansurvey.cgi	NIY	
3.5.1	/config/motion.cgi	FULL	
3.5.2	/config/motion.cgi -d"enable=yes&mbmask=0123456789abcdeFFF&sensitivity=80"	FULL	1. After the firmware 2425 version, you can set the hex value in the mbmask field. 2. One hex character indicates 4 block in the motion detection area. So, it has 16 various kind of presentation. 3. sensitivity range: 0 ~ 100
3.5.3	/cgi/admin/recorder.cgi	PARTIAL	no support byIn2
3.5.4	/cgi/admin/recorder.cgiNIY	NIY	no support byIn2
3.5.5	/cgi/admin/adv_snapshot_cont.cgi	PARTIAL	no support byIn2
3.5.6	/cgi/admin/adv_snapshot_cont.cgi	PARTIAL	no support byIn2
3.5.7	/cgi/admin/adv_do.cgi	PARTIAL	no support byIn2
3.5.8	/cgi/admin/adv_do.cgi	PARTIAL	no support byIn2
3.6.1	/config/io.cgi	FULL	
3.6.2	/config/io.cgi -d"out1=on"	FULL	
3.6.3	/config/led.cgi	NIY	
3.6.4	/config/led.cgi -d"led=on"	NIY	
3.6.5	/config/firmwareupgrade.cgi	FULL	
3.6.6	/config/system_reboot.cgi -d"reboot=go"	FULL	
3.6.7	/config/system_reset.cgi -d"reset=go"	FULL	
3.6.8	/config/rs485.cgi	NIY	
3.6.9	/config/rs485.cgi –d"enable=yes&proto=PelcoD&devid=1&baudrate=2400&databits=8&parity=None&stopbits=1&delaytime=2000"	NIY	The minimum value of baudrate is 2400. No support proto=custom mode. The home, up, down, left, right, stop, stoppattern, cmdname1, cmdname2, cmdname3, cmdname4, cmdstr1, cmdstr2, cmdstr3 and cmdstr4 field are not supported.
3.7.1	/config/sdcard.cgi	NIY	
3.7.2	/config/sdcard_format.cgi	NIY	
3.7.3	/config/sdcard_list.cgi	NIY	
3.7.4	/config/sdcard_download.cgi	NIY	
3.7.5	/config/sdcard_delete.cgi	NIY	
4.1.1	/image/jpeg.cgi	FULL	Input http://172.19.150.179/image/jpeg.cgi in IE browser and then you can see the picture in the browser.
4.1.2	/video/mjpg.cgi –d"profileid=1"	FULL	1. Copy the following code to an empty HTML file, and then open the HTML file with Firefox or Safari browser. <html> <body> <img

			src="http://172.19.150.179/video/mjpg.cgi" /> </body> </html> 2. If the specific profile is not motion JPEG codec type, then it sends the next profile which has motion JPEG codec type.
4.1.3	/video/MP4V-ES.cgi	FULL	
4.1.4	/video/ACVS.cgi –d"profileid=1"	FULL	1. If the specific profile is not MPEG4 codec type, then it sends the next profile which has MPEG4 codec type.
4.1.5	/audio/ACAS.cgi	FULL	
4.1.6	/video/video.cgi	NIY	
4.1.7	/dev/speaker.cgi?client=<MAC address of client side>	FULL	NO need "client" parameter.
4.1.8	/video/ACVS-H264.cgi	FULL	
4.1.9	/audio/x-wave.cgi	FULL	
4.1.10	/audio/audio.cgi	NIY	
5.1.1	/config/ptz_info.cgi	FULL	
5.1.2	/config/ptz_pos.cgi	FULL	
5.1.3	/config/ptz_step.cgi	NA	
5.1.4	/config/ptz_step.cgi -d"pstep=5&tstep=5"	NA	
5.1.5	/config/ptz_preset_list.cgi	FULL	
5.1.6	/config/ptz_preset.cgi -d"name=left_end&act=add" /config/ptz_preset.cgi -d"name=home&act=go" /config/ptz_preset.cgi -d"name=right_end&act=del"	FULL	
5.1.7	/config/ptz_move.cgi -d"p=148&t=-42" /config/ptz_move.cgi -d"p=-102&t=0" /config/ptz_move.cgi -d"p=24&t=0"	NIY	
5.1.8	/config/ptz_move_rel.cgi -d"p=32&t=32" /config/ptz_move_rel.cgi -d"p=-32&t=-32"	NIY	
5.1.9	/config/ptz_home.cgi -d"act=get" /config/ptz_home.cgi -d"act=set&p=148&t=-42" /config/ptz_home.cgi -d"act=go" /config/ptz_home.cgi -d"act=reset"	FULL	Use ptz_info.cgi to get boundary.
5.1.10	/config/auto_patrol.cgi –d"act=go"	PARTIAL	Does not stop
5.1.11	/config/auto_pan.cgi –d"act=go"	PARTIAL	Does not stop
5.1.12	/config/config_auto_patrol.cgi -d"presets=leftend,rightend,lefttop,righttop"	FULL	
5.1.13	/config/focus_type.cgi	FULL	
5.1.14	/config/manual_focus.cgi	FULL	
5.2.1	/config/rs485_do.cgi -d"direction=5&speed=10"	NA	No support the direction value 10, 11, 12 and 13 in custom mode (proto=custom). The wide, tele, focus far and focus near direction is only supported in video server.
6.1.1	/config/notify.cgi	PARTIAL	Only support mdv#, md#, and input# fields.

6.1.2	/config/notify_stream.cgi	PARTIAL	1. You need to use /config/motion.cgi to enable motion detection for getting the mdv1 value. 2. This notification CGI will keep pushing the event of IPCAM. To stop it, you need to disconnect it (or press Ctrl-C). 3. Only support mdv#, md#, and input# fields.
7.1.1	/config/rtspurl.cgi	FULL	
7.1.2	/config/rtspurl.cgi –d"profileid=1&urlentry=test1"	FULL	If the urlentry of profile 1 and profile2 is duplicated, the server will provide profile 1 for streaming.
7.1.3	rtsp://<server ip>/<urlentry>	FULL	