3.7.SD card operation

3.7.1.   get information of SD card

This is an one-shot request, client of NIPCA could use this request to get a summary of SD card inserted in the camera. For getting up- to-date status of SD card, client should request to notify_stream.cgi (see 6.1.2), instead of pooling this cgi frequently.

request:
    GET /config/sdcard.cgi

response: (only supported inputs and outputs are displayed)

Name	Value	Description
status	ready, protected, full, invalid, over_capacity, need_reinitialize, formatting, recording	Current status of SD Card
total	integer	Total size of SD Card in KBytes
used	integer	Used size of SD Card in KBytes
free	integer	Free size of SD Card in KBytes
picture	integer	How many sub-folders in picture folder
video	integer	How many sub-folders in video folder

3.7.2.   format SD card

request:
GET /config/sdcard_format.cgi

parameters:

Name	Value	Description
format	go	Do format or query SD status.

response:
see the 3.7.1 table.

3.7.3.list items of SD card

request:
GET /config/sdcard_list.cgi

parameters:

Name	Value	Description
type	picture, video	Which type of files would like to see
path	string	Indicate which files of path you want to get.
page	integer	This command would list files of a page. You can indicate which list of page you would like to see.
pagesize	integer	How many files in a page. Value=5, 10, 15, 20, 50 or 100.

response:

Name	Value	Description
sd_status	ready, invalid, protected, full	Status of SD Card.
type	picture, video	Which type of files would like to see
path	string	Indicate current path to be examined
page	integer	This command would list files of a page. You can indicate which list of page you would like to see. For example: If I have 40 items (file or folder) in 'path' folder and would like to list the files in page 1 where I assume the number of items in each page is 20. The request url may be: GET /config/sdcard list.cgi?type=picture&path=/20080229/00&page=1&pagesize =20 Where: type=picture: list the items in path 'picture' path=/20080229/00: list the items which in path 'picture/20080229/00' page=1: list the items in page 1 pagesize=20: indicate that there are 20 items in each page And the server would response the fist 20 items which in path 'picture/20080229/00'
pagesize	integer	How many items (file or folder) in a page. See more details in previous parameter.
total_file	integer	Total number of these items (file or folder)
total_page	integer	Total page of these items (file or folder)
num	integer	Number of items (file or folder) in indicated page
items	string	**Attributes of listed items** <name>|<type>|<recording type>|<size or num>**:** **where:** name: name of file or folder. type: indicate this 'name' is a file or a folder, f(file) or d(folder); recording type: d (digital input) or m (motion) or n (normal) size or num: file's size(type=f), number of files in the folder(type=d). **Use '|'(pipe or vertical bar) to separate each of attribute. Use ':' (column) to divide two items.** **Example:** items=20090826|d|n|100:20090826_000000.avi|f|n|512:20090825|d|n|50:...

3.7.4.　　　download files of SD card

request:
GET /config/sdcard_download.cgi

parameters:

Name	Value	Description
type	picture, video	Which type of files would like to see
path	string	Path of file
file	string	The file name could be got in command /config/sdcard_list.cgi. The attribute type must be 'f ' (only file can be download).

response (when file is available):
```
HTTP/1.0 200 OK<CRLF>
Content-Type: application/octet-stream<CRLF>
Content-Length: <size of file><CRLF>
<CRLF>
<Binary data of file>
```

response (when file is not available for download):

Name	Value	Description
path	string	Path of file
file	string	The name of file which is wanted to be download.
result	integer	The status of download action of indicated file. 1: file is not exists 2: the 'file' is a folder, it must be a file.(can't be download)

3.7.5.   delete files of SD card

request:
   GET /config/sdcard_delete.cgi

parameters:

Name	Value	Description
type	picture, video	Which type of files would like to be deleted
path	string	Path of file
name	<file 1>[:<file 2>: …]	File list which would be deleted. The file name could be get in command /config/sdcard_list.cgi. Use ':'(column) as the split character.

response:

Name	Value	Description
num	integer	Number of items (file or folder) which in 'name' (deleting list).
path	string	Path of file
sd_status	ready, invalid, protected	Status of SD Card. When "invalid" and "protected" is given, which mean the delete is completed failure.
items	string	**Attributes of deleted items** <name>|<type>|<status>**:** **where:** name: name of file or folder. type: indicate this 'name' is a file or a folder, f(file) or d(folder) or n(unknown); status: the status of deleting action of indicated item (file or folder), <filename>. 0: item is successfully deleted 1: item does not exist 2: item is not deleted **Use '|'(pipe or vertical bar) to separate each of attribute. Use ':' (column) to divide two items.** **Example:** items=20090826|d|0:20090826_000000.avi|n|1: 20090826_101200.avi |f|2:... where: 20090826: this item is a directory and has been deleted successfully; 20090826_000000.avi: this item is not exists; 20090826_101200.avi: this item is a file and has not been deleted.