SONY

SNC-RZ25N/P
CGI command manual

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About this manual

This document describes CGI command usage of SONY Network Camera SNC-RZ25N/P.
The SNC-RZ25N/P has the following kinds of CGI commands which are listed below.

1) Motion video request commands
   These are to be used to get motion video (Motion JPEG or MPEG4 video) or this is to be used for some session initiation for acquiring MPEG4 data.

2) Audio data request commands
   These are to be used to get audio data from the SNC-RZ25N/P or this is to be used to for some session initiation for acquiring audio data.

3) Audio output request command
   This is to be used to upload audio encoded data to the SNC-RZ25N/P so that the camera can output audio via an equipped line output connector.

4) Still image request commands
   These are to be used to get a current still image from the SNC-RZ25N/P.

5) Setting commands of camera parameters
   These are to be used to set various parameters of the camera such as network configuration, picture quality and so on.

6) Inquiry commands of camera parameters
   These are to be used to inquire various settings of camera parameters which can be set by using setting commands (5).

In this document, the usage of CGI commands such as "method", "syntax", and several examples are explained below.

1. Motion video request commands

There are three kinds of request to acquire motion video data.

/image	---	In accordance with video mode setting in the SNC-RZ25N/P, MPEG4 bitstream or Motion JPEG bitstream will be acquired.
/mpeg4	---	Indicates that the client application specifies to acquire MPEG4 bistream. When the video mode is set to JPEG, the command response will be "400 error".
/mjpeg	---	Indicates that the client application specifies to acquire Motion JPEG bitstream. When the video mode is set to MPEG4, the command response will be "400 error".

Acquiring MPEG4 bitstream

In terms of MPEG4 bitstream, the SNC-RZ25N/P can send it in the form of "HTTP bitstream", "RTP(UDP) bitstream (unicast)" or "RTP(UDP) bitstream (multicast)". The followings are some explanation how the acquiring sequence will be.

[HTTP bitstream]

The following data shows the way to acquire the HTTP. When simply putting "GET /image..." or "GET /mpeg4...", the SNC-RZ25N/P will send the MPEG4 raw data as its response.

GET /image HTTP/1.0\r\n
User-Agent: xxxx\r\n
Host: 192.168.0.200\r\n
Accept: */*\r\n
Connection: Keep-Alive\r\n
\r\n

MPEG4 video request from a client application

HTTP/1.0 200 OK\r\n
Content-Type: video/mpeg\r\n
Cache-Control: no-cache\r\n
Pragma: no-cache\r\n
\r\n
<MPEG4 data>
.
.
.

The response of SNC-RZ25N/P which includes MPEG4 bitstream

Content-Type

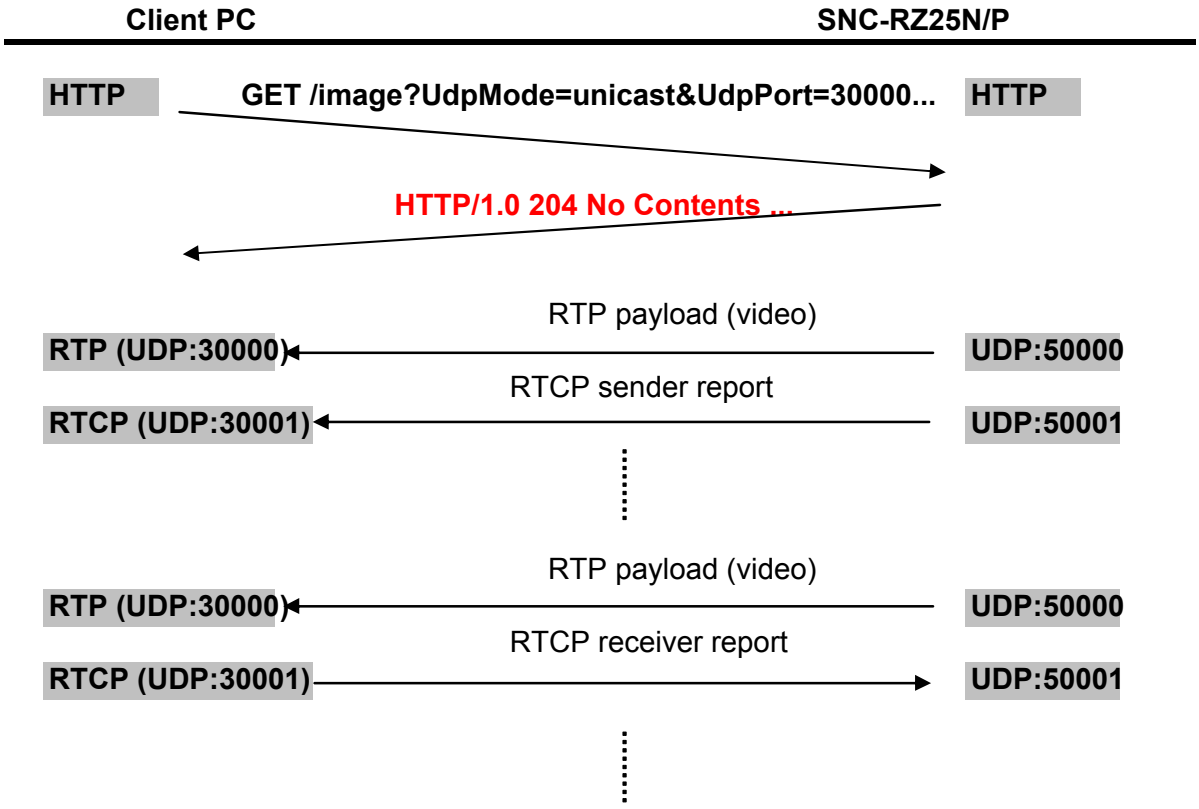
"Content-Type :" header will be set to "video/mpeg" when the video mode of the camera is MPEG4 mode.

<MPEG4 data>

<MPEG4 data> is based on the standard of MPEG4 and is in the form of raw data. And the <MPEG4 data> includes so-called "user data" in each picture frame so that SNC-RZ25N/P viewer can utilize it.

[RTP(UDP) bitstream (unicast)]

You can get MPEG4 bitstream by using RTP(Real-time transport protocol). HTTP is based on the TCP, which will lead less throughput in several circumstances e.g. RTT(Round trip time) number is rather large for the sake of network congestion. The following figure shows how the RTP bitstream(unicast) will be acquired by a client application.



In terms of acquiring RTP bitstream(unicast), putting "UdpMode=unicast" and "UdpPort=<UDP port number>" will be required when sending HTTP request.

UdpMode parameter

Specifies a mode of transmission which will be either "unicast" or "multicast". The "multicast" can be set only when the multicast streaming in the camera is set to on.

UdpPort parameter

This is effective when the UdpMode is set to "unicast". This parameter specifies the video port number which is the destination port the camera should send to. Listening to this video port will be required by the client application.

RTCP packets

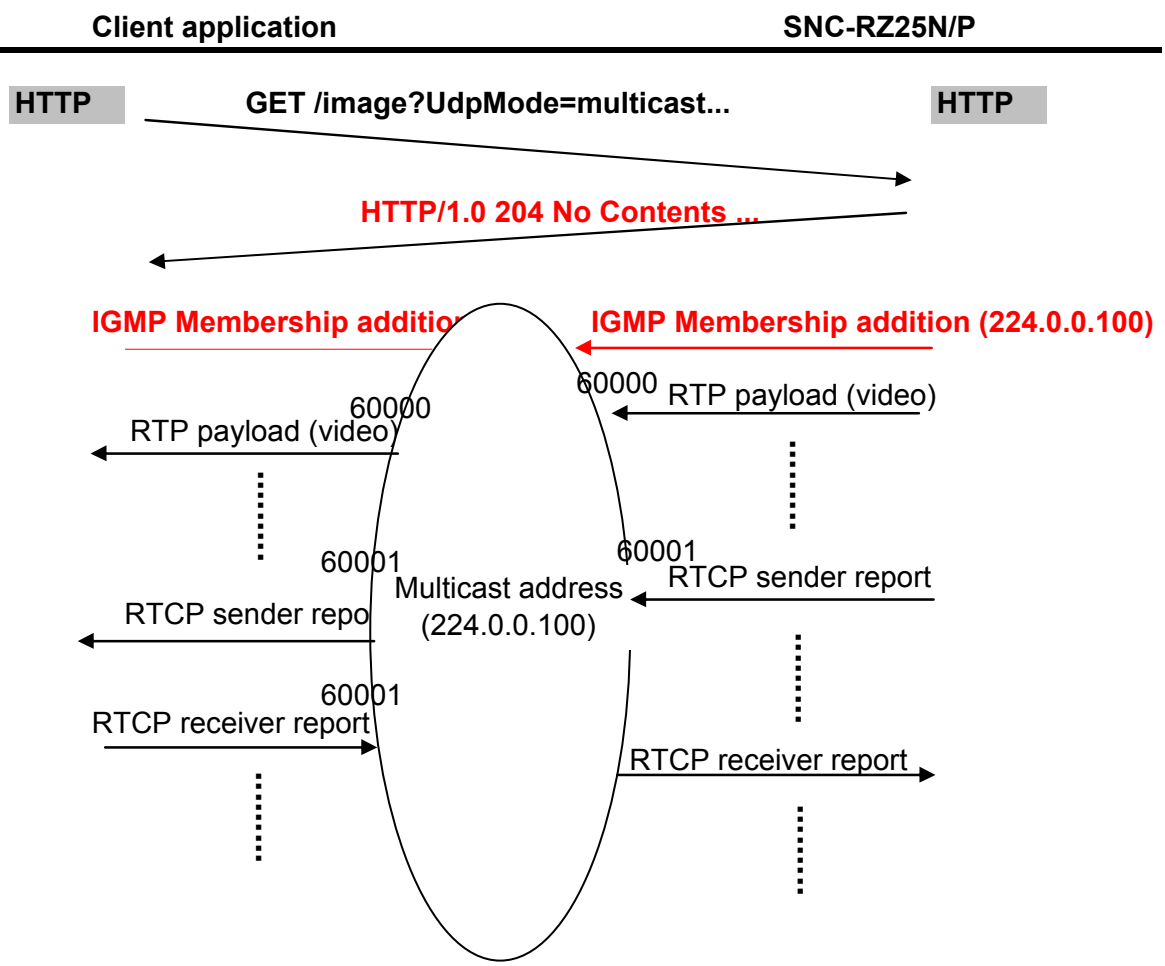
While the camera keep sending MPEG4 RTP bitstream, it will also send RTCP report (sender report) to the client side periodically. The client side will be required to prepare for the RTCP report to be received and also send RTCP report (receiver report) to the camera periodically. In case of this, the client side should listen to <the video port + 1> as the RTCP port. Note that the camera will stop sending the bitstream if it fails to receive RTCP receiver report from the client side for consecutive 60 seconds.

[RTP(UDP) bitstream (multicast)]

In terms of multicast RTP bitstream, acquiring sequence will be different from the unicast one. In order to activate multicast bitstream, getting information of the multicast settings in the camera will be needed prior to starting the sequence. You can get such kind of information by using "/command/inquiry.cgi?inq=camera" inquiry.

Multicast	---	Shows whether multicast streaming is set to on or off.
McAddress	---	Shows multicast address which is used for multicast bitstream.
McVideoPort	---	Shows multicast video port which is used for multicast bitstream.

The following figure shows how the RTP bitstream (multicast) will be acquired by a client application.



Acquiring JPEG bitstream

In terms of motion JPEG bitstream, only the HTTP bitstream form is supported. The motion JPEG bitstream can be acquired by sending "/image" or "/mjpeg" command, only when the video mode of the camera is set to JPEG. The motion JPEG bitstream is retrieved by the first GET command operation and will be sent as the sequential data. Therefore, display application should display the sequential data with dividing the data into an image-unit. In this case, boundary character string "--myboundary" is fixed as an index.

Also, it enables to adjust the frame rate by setting the "speed"or "interval" parameter when data requests.

[Motion JPEG bitstream]

<Method>

GET

<Syntax>

```
http://ip_adr/image[?speed=<value>]
http://ip_adr/image[?interval=<value>]
http://ip_adr/mjpeg[?speed=<value>]
http://ip_adr/mjpeg[?interval=<value>]
```

<Parameters>
speed=<value>
Refer to the following list regarding speed=<value>. The "fastest" frame rate will be selected if there is no specification of "speed" and "interval" parameters. Setting both "speed" and "interval" parameters is not allowed.

interval=<value>
The range of setting parameter is "SNC-RZ25N : from 33 to 3600000, SNC-RZ25P : from 40 to 3600000" and the unit of the parameter is "millisecond". It is possible to set the motion image interval by setting "interval" parameter. Setting both "speed" and "interval" parameters is not allowed.

The effective value of speed parameter

effective	details
1	1 frame/sec
2	2 frame/sec
3	3 frame/sec
4	4 frame/sec
5	5 frame/sec
6	6 frame/sec
8	8 frame/sec
10	10 frame/sec
15	15 frame/sec
20	20 frame/sec
25	25 frame/sec
30	30 frame/sec (This is available only for SNC-RZ25N.)

<Example>
Request for motion image by 20 frames per second

```
GET /mjpeg?speed=20 HTTP/1.0\r\n
Host: 192.168.1.1
```

<Example>
Request from motion image by 1 frame per second by using "interval" parameter

```
GET /mjpeg?interval=1000 HTTP/1.1\r\n
Host: 192.168.1.1
```

Response data

The output format of the motion JPEG data is the "Server-push". Some HTTP headers have possibilities to be inserted between the boundary string and the data chunk(JPEG data) listed below.

Content-Type header Indicates that the data chunk is "image/jpeg" type.

CamTim header Stands for the date and time the JPEG image is taken in the unit.

DataLen header Stands for the data length of the data chunk. The figure is fixed in the form of 8 digits and will be padded by "0" when the data length is in the range of 7 digits or less.

The following example shows the response data to get motion JPEG bitstream.

```
HTTP/1.0 200 OK\r\n
Content-Type: multipart/x-mixed-replace;boundary=--myboundary\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2004-05-18 Tue 10:13:05\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2004-05-18 Tue 10:13:05\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2004-05-18 Tue 10:13:06\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
        .
        .
```

[Motion JPEG bitstream + Audio bitstream request]

When the video mode of the camera is set to JPEG, you can get audio data as well with the motion JPEG bitstream. In this case both motion JPEG and audio bitstream will be included in one TCP session.

<Method>
GET

<Syntax>

```
http://ip_adr/image?audioin=on[&speed=<value>]
http://ip_adr/image?audioin=on[&interval=<value>]
http://ip_adr/mjpeg?audioin=on[&speed=<value>]
http://ip_adr/mjpeg?audioin=on[&interval=<value>]
```

Response data

The output format of the motion JPEG bitstream and audio bitstream is the "Server-push". The bitstream includes video chunks and audio chunks. You can get whether a certain chunk is video one or audio one by checking how the "Content-Type" header in each chunk is.

Content-Type header

Content-Type: image/jpeg --- Indicates that is the video chunk.

Content-Type: audio/PCMU	Indicates that is the audio chunk
Content-Type: audio/40kadpcm	PCMU : G.711 (64kbps)
Content-Type: audio/32kadpcm	40kadpcm : G.726 (40kbps)
Content-Type: audio/24kadpcm	32kadpcm : G.726 (32kbps)
Content-Type: audio/16kadpcm	24kadpcm : G.726 (24kbps)
	16kadpcm : G.726 (16kbps)

CamTim header	Stands for the date and time the JPEG image is taken in the unit. This is inserted only in the video chunk.
DataLen header	Stands for the data length of the data chunk. In the video chunk the figure is fixed in the form of 8 digits and will be padded by "0" when the data length is in the range of 7 digits or less.

The following example shows the response data to get motion JPEG bitstream and audio bitstream

```
HTTP/1.0 200 OK\r\n
Content-Type: multipart/x-mixed-replace;boundary=--myboundary\r\n
--myboundary\r\n
Content-Type: audio/16kadpcm\r\n
DataLen: 320r\n
\r\n
<Audio chunk>\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2004-05-18 Tue 10:13:05\r\n
DataLen: 000xxxxx\r\n
\r\n
<JPEG chunk>\r\n
--myboundary\r\n
Content-Type: audio/16kadpcm\r\n
DataLen: 320r\n
\r\n
<Audio chunk>\r\n
--myboundary\r\n
Content-Type: audio/16kadpcm\r\n
DataLen: 320r\n
\r\n
<Audio chunk>\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2004-05-18 Tue 10:13:05\r\n
DataLen: 000xxxxx\r\n
\r\n
<JPEG chunk>\r\n
--myboundary\r\n
Content-Type: audio/16kadpcm\r\n
DataLen: 320r\n
\r\n
<Audio chunk>\r\n
--myboundary\r\n
Content-Type: audio/16kadpcm\r\n
DataLen: 320r\n
\r\n
<Audio chunk>\r\n
```

```
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2004-05-18 Tue 10:13:06\r\n
DataLen: 000xxxxx\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
.
.
.
```

2. **Audio data request command**

In terms of audio bitstream, the SNC-RZ25N/P can also send it in the form of "HTTP bitstream", "RTP(UDP) bitstream (unicast)" or "RTP(UDP) bitstream (multicast)" like MPEG4 bitstream. You can refer to the "Acquiring MPEG4 bitstream" for the details of its sequence.

[HTTP bitstream]

The following example of response data shows how the HTTP bitstream will be acquired.

```
GET /audio HTTP/1.0\r\n
User-Agent: xxxxx\r\n
Host: 192.168.0.150\r\m
Accept: */*\r\n
Connection: Keep-Alive\r\n
\r\n
HTTP/1.0 200 OK\r\n
Content-Type: audio/16kadpcm\r\n
Cache-Control: no-cache\r\n
Pragma: no-cache\r\n
\r\n
<Audio data>
.
.
```

<Audio data>

In terms of <Audio data>, it will be so-called raw data in the form of specified audio codec (G.711, G.726 (40kbps, 32kbps, 24kbps, 16kbps)). G.711 raw data complies with mu-law format.

[RTP bitstream (unicast)]

In terms of acquiring audio RTP bitstream (unicast), putting both UdpMode=unicast and UdpPort=<UDP port number> parameters will be required when sending HTTP request.

[RTP bitstream (multicast)]

In terms of acquiring audio RTP bitstream (multicast), putting UdpMode=multicast parameter will be required when sending HTTP request. In order to activate audio multicast bitstream, getting information of the multicast settings will be needed prior to starting the sequence. You can get such kind of information by using "/command/inquiry.cgi?inq=camera" inquiry.

Multicast	---	Shows whether multicast streaming is set to on or off.
McAddress	---	Shows multicast address which is used for multicast bitstream.
McAudioPort	---	Shows multicast audio port which is used for multicast bitstream.

3. Audio output request command

This request is to be used for sending encoded audio data to the camera in order to output audio via the equipped line output. Putting appropriate "Basic authorization (Authorization : Basic xxxx)" header for this request will be required. You can put "Administrator" username and password to pass the authorization.

<Method>
POST

<Commands>
The following commands can be sent in conjunction with the audio encoded data.
/audio-out/g711_64.cgi
/audio-out/g726_40.cgi
/audio-out/g726_32.cgi
/audio-out/g726_24.cgi
/audio-out/g726_16.cgi

The following example show that a client application send the G.726(32kbps) encoded data to the camera.

```
POST /audio-out/g726_32.cgi HTTP/1.1\r\n
HOST: 192.168.0.150\r\n
Connection: close\r\n
Authorization: Basic YWRtaW46YWRtaW4=\r\n
\r\n
<Audio data>
.
.
.
```

4. Still image request

/oneshotimage.jpg

Acquire 1 data segment of JPEG file as a still image. This command is available only when the video mode of the camera is set to JPEG. Image size, image quality, color reproduction setting and exposure setting become the same as the motion image.

<Method>
GET

<Syntax>

```
http://ip_adr/oneshotimage.jpg
```

<Example>
A still image request

```
GET /oneshotimage.jpg HTTP/1.1\r\n
Host: 192.168.1.1
```

Response data

```
HTTP/1.0 200 OK\r\n
Content-Type: image/jpeg\r\n
Content-Length: <image size>\r\n
\r\n
<JPEG image data>
```

Software encoded JPEG request

Acquire 1 still image whatever the video mode of the camera is. In this case, JPEG compression process will be achieved by the CPU side on behalf of DSP side, so it will take pretty much time in comparison to normal "/oneshotimage.jpg" request. This is available even when the video mode of the camera is set to MPEG4. This request consists of the following commands.

<Method>
GET

<Syntax>

```
http://ip_adr/jpeg/imagesize.jpg
http://ip_adr/jpeg/vga.jpg
http://ip_adr/jpeg/qvga.jpg
http://ip_adr/jpeg/qqvga.jpg
http://ip_adr/jpeg/qvga-mobile.jpg
http://ip_adr/jpeg/qqvga-mobile.jpg
```

/jpeg/imagesize.jpg	---	Image size of the acquired image will be the current setting.
/jpeg/vga.jpg	---	Image size will be "VGA" size.
/jpeg/qvga.jpg	---	Image size will be "QVGA" size.
/jpeg/qqvga.jpg	---	Image size will be "QQVGA" size.
/jpeg/qvga-mobile.jpg	---	Image size will be "QVGA" size and its quality will be worse than that of "/jpeg/qvga.jpg" request.
/jpeg/qqvga-mobile.jp	---	Image size will be "QQVGA" size and its quality will be worse than that of "/jpeg/qqvga.jpg" request.

5. Setting commands of camera parameters

Set various settings for the SNC-RZ25N/P. When using the command, describe as the following syntax <parameter>=<value>. It is possible to transmit several parameters at one time only when they belong to the same CGI name (***.cgi). In this case, it is necessary to place "&" between each <parameter> =<value>.

<Method>
GET / POST

<Syntax>

```
http://ip_adr/command/<cgi>?<parameter>=<value>[&<parameter>=<value>...]
```

<Parameters>
Refer to "SNC-RZ25N/P command list"

6. Inquiry commands of camera parameters

These are to be used to inquire current status for the SNC-RZ25N/P. The item which has an "inq" attribute in the "SNC-RZ25N/P command list" can be inquired such as its current status. As a response format, "standard format" and "JS parameter format" which you can select arbitrarily are supported.

<Method>
GET / POST

(1) in the case of getting "standard format" response

<Syntax>

```
http://ip_adr/command/inquiry.cgi?inq=<Inquiry>[&inq=<Inquiry>&inq=<Inquiry>...]
```

The response of the inquiry is as follows in the case of "standard format".

```
HTTP/1.0 200 OK\r\n
Content-Type: text/plain\r\n
Content-Length: <len>\r\n
\r\n
<parameter>=<value>[&<parameter>=<value>&<parameter>=<value>...]
```

(2) in the case of getting "JS parameter format" response
This type of response is suitable for Java Script processing.

<Syntax>

```
http://ip_adr/command/inquiry.cgi?inqjs=<Inquiry>[&inqjs=<Inquiry>&inq=<Inquiry>...]
```

The response of the inquiry is as follows in the case of "JS parameter format".

```
HTTP/1.0 200 OK\r\n
Content-Type: text/plain\r\n
Content-Length: <len>\r\n
\r\n
var <parameter>="<value>"
var <parameter>="<value>"
        .
        .
        .
```

The response of the inquiry can be obtained by using the HTML below.

```
<SCRIPT LANGUAGE='JavaScript1.2' SRC='/command/inquiry.cgi?inqjs=<Inquiry>
  TYPE='text/javascript'></SCRIPT>
```

<Parameters>
Refer to "SNC-RZ25N/P command list" with the item which has an "inq" attribute.

SNC-RZ25N/P CGI command list

System

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
ModelName	"SNC-RZ25N" / "SNC-RZ25P"	system	-	inq	-		1.00
Serial	"<serial no.>"	system	-	inq	System		1.00
PanTiltFunc	"0"	system	-	inq	-		1.00
ZoomFunc	"0"	system	-	inq	-		1.00
SoftVersion	"<version>"	system	-	inq	System		1.00
TitleBar	"<Text>"	system	system.cgi	inq/set	System	up to 32 letters	1.00
WelcomeText	"<Text>"	system	system.cgi	inq/set	System	up to 1024 letters	1.00
DefUrlMode	"default" / "userset"	system	system.cgi	inq/set	System		1.00
UserUrlPath	"/user/<text>" / "/a-slot/<text>"	system	system.cgi	inq/set	System	up to 64 letters except for "/user/" or "/a-slot/"	1.00
BlueLed	"bright" / "off"	system	system.cgi	inq/set	System	To turn on or off the Power LED	1.00
NetworkLed	"on" / "off"	system	system.cgi	inq/set	-		1.00
CgiAuthen	"on" / "off"	system	system.cgi	inq/set	-	To set the CGI authentication to on or off	1.00

Exclusive camera control

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
CamCtrlRight	"on" / "off"	system	system.cgi	inq/set	Date time		1.00
CamCtrlTime	"10" to "600"	system	system.cgi	inq/set	Date time	Unit is "second"	1.00
CamMaxWaitNo	"0" to "10"	system	system.cgi	inq/set	Date time	Maximum wait number	1.00

Date and time

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
Time	"<time>"	system	etc.cgi	inq/set	Date time	setting of local time	1.00
GmTime	"<time>"	system	etc.cgi	inq/set	Date time	setting of GM time	1.00
TimeZone	"<time zone>"	system	system.cgi	inq/set	Date time	time zone setting	1.00
DstMode	"on" / "off"	system	system.cgi	inq/set	Date time	summer time (daylight saving time)	1.00
DateFormat	"ymd" / "mdy" / "dmy"	system	system.cgi	inq/set	Date time	yyyy-mm-dd / mm-dd-yyyy / dd-mm-yyyy	1.00
NtpService	"on" / "off"	system	system.cgi	inq/set	Date time	synchronization with NTP server	1.00
NtpServer	"<server>"	system	system.cgi	inq/set	Date time	up to 64 characters	1.00
NtpInterval	"100" to "86400"	system	system.cgi	inq/set	Date time	Minimum unit is 1 second.	1.00

Day/Night

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
DayNightMode	"disable"/"auto"/"manual"/"timer"/"sensor"	camera	camera.cgi	inq/set	Day/Night		1.00
DnSchedule	"<schedule>"	camera	camera.cgi	inq/set	Day/Night		1.00
DnSensor1	"on"/"off"	camera	camera.cgi	inq/set	Day/Night		1.00
DnSensor2	"on"/"off"	camera	camera.cgi	inq/set	Day/Night		1.00
DayNight	"on"/"off"	camera	camera.cgi	inq/set	Day/Night		1.00
DnManualFunc	"on"/"off"	camera	camera.cgi	inq/set	Day/Night		1.00

Pan/Tilt/Zoom/Focus

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
Move	"<direction>,<speed>"	-	ptzf.cgi	set	-	direction : left, right, up, down, up-left, up-right, down-left, down-right speed: "1" to "24"	1.00
Move	"<zoom>,<speed>"	-	ptzf.cgi	set	-	zoom : tele, wide speed: "1" to "8"	1.00
Move	"<focus>,<speed>"	-	ptzf.cgi	set	-	focus : near, far, onepushaf *) "onepushaf" is available when manual mode. Don't care speed parameter. speed: "1" to "8"	1.00
Move	"stop,<mode>"	-	ptzf.cgi	set	-	mode : motor, zoom, focus	1.00
AreaZoom	"<center X>,<center Y>,<width>,<height>"	-	ptzf.cgi	set	-	center X: X distance from center (Pixel) center Y: Y distance from center (Pixel) width,height : rectangle size for zoom ratio	1.00
AbsolutePanTilt	"<pan position>,<tilt position>,<speed>"	ptzf	ptzf.cgi	inq/set	-	pan position: "F725" to "08DB" tilt position : "FB50" to "0190" (Eflip : off) "FE70" to "04B0" (Eflip : on) speed : "1" to "24"	1.00
RelativePanTilt	"<pan position>,<tilt position>,<speed>"	-	ptzf.cgi	set	-	pan position: "EE4A" to "11B6" tilt position : "F9C0" to "0640" speed : "1" to "24"	1.00
AbsoluteZoom	"<zoom position>"	-	ptzf.cgi	set	-	zoom position (Optical) : "0000" to "4000" (Digital) :"4000" to "7AC0"	1.00
RelativeZoom	"<zoom position>"	-	ptzf.cgi	set	-	Optical only mode : "C000" to "4000" Full mode : "8540" to "7AC0"	1.00
AbsoluteFocus	"<focus position>"	-	ptzf.cgi	set	-	focus position: "1000" to "C000"	1.00
AbsolutePTZF	"<pan pos>,<tilt pos>,<zoom pos>,<focus po	ptzf	ptzf.cgi	inq/set	-	*) see above address range for posiotion parameter *) It is possible to set address only to move ex: AbsolutePTZF=,0100,4000 (Only Tilt & Zoom move)	1.00
Cancel	"on"	-	ptzf.cgi	set	-	cancel PTZF command	1.00
LimitPanTilt	"<min pan position>,<min tilt position>,<max pan position>,<max tilt position>"	-	ptzf.cgi	set	-	min pan position : "F725" to "FFFF" min tilt position : "FB50" to "FFFF" (Eflip off) "FE70" to "FFFF" (Eflip on) max pan position : "0001" to "08DB" max tilt position : "0001" to "0190" (Eflip off) "0001" to "04B0" (Eflip on) limit clear : set all position to "7FFF"	1.00

Preset position

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
PresetCall	"<no.>,<speed>"	-	presetposition.cgi	set	Preset position	no. : "1" to "16" speed : "1" to "24"	1.00
PresetSet	"<no>,<name>"	-	presetposition.cgi	set	Preset position	no. : "1" to "16" name : up to 32 letters	1.00
PresetClear	"<no>,<no>,....."	-	presetposition.cgi	set	Preset position	no. : "1" to "16"	1.00
PresetName	"<no>,<name>,<no>,<name>,....."	presetposition	-	inq	Preset position		1.00
PresetSensor1	"<no>"/"none"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
PresetSensor2	"<no>"/"none"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
PresetMotion	"<no>"/"none"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSelect	"a"/"b"/"c"/"d"/"e"/"none"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourPeriod	"always"/"schedule"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSchedule	"<schedule>"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSequenceA	"<no>,<no>,....."	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSequenceB	"<no>,<no>,....."	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSequenceC	"<no>,<no>,....."	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSequenceD	"<no>,<no>,....."	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSequenceE	"<no>,<no>,....."	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourStaytimeA	"1" to "3600"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourStaytimeB	"1" to "3600"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourStaytimeC	"1" to "3600"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourStaytimeD	"1" to "3600"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourStaytimeE	"1" to "3600"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourSpeedA	"<speed>"	presetposition	presetposition.cgi	inq/set	Preset position	speed: "1" to "24"	1.00
TourSpeedB	"<speed>"	presetposition	presetposition.cgi	inq/set	Preset position	speed: "1" to "24"	1.00
TourSpeedC	"<speed>"	presetposition	presetposition.cgi	inq/set	Preset position	speed: "1" to "24"	1.00
TourSpeedD	"<speed>"	presetposition	presetposition.cgi	inq/set	Preset position	speed: "1" to "24"	1.00
TourSpeedE	"<speed>"	presetposition	presetposition.cgi	inq/set	Preset position	speed: "1" to "24"	1.00
TourResume	"on" / "off"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
TourRsmTime	"5" to "600"	presetposition	presetposition.cgi	inq/set	Preset position		1.00
HomePos	"set" / "reset" / "recall" / "ptz-recall"	presetposition	presetposition.cgi	inq/set	Preset position	setting of PTZ position after power on	1.00

VISCA

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
visca	"<general command>"	-	visca-gen.cgi	set	-	almost same as EVI-D70	1.00
visca	"<ptzf command>"	-	visca-ptzf.cig	set	-	almost same as EVI-D70	1.00
visca	"<inquiry command>"	-	ftpserver.cgi	inq	-	almost same as EVI-D70	1.00

Camera

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
AudioIn	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
AudioInVolume	"-10" to "10"	camera	camera.cgi	inq/set	Camera		1.00
AudioOut	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
AudInCodec	"g711_64" / "g726_40" / "g726_32" / "g726_24" / "g726_16"	camera	camera.cgi	inq/set	Camera		1.00
ImageCodec	"mpeg4" / "jpeg"	camera	camera.cgi	inq/set	Camera		1.00
ImageSize	"<horizontal pixel>,<mode>"	camera	camera.cgi	inq/set	Camera	(*1)	1.00
AreaSelect	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
AreaSet	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	camera	camera.cgi	inq/set	Camera		1.00
Multicast	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
McAddress	"<ip addr>"	camera	camera.cgi	inq/set	Camera		1.00
McVideoPort	"1024" to "65534"	camera	camera.cgi	inq/set	Camera		1.00
McAudioPort	"1024" to "65534"	camera	camera.cgi	inq/set	Camera		1.00
McTtl	"1" to "255"	camera	camera.cgi	inq/set	-		1.00
UcVideoPort	"1024" to "65534"	camera	camera.cgi	inq/set	Camera		1.00
UcAudioPort	"1024" to "65534"	camera	camera.cgi	inq/set	Camera		1.00
M4FrameRate	"1" / "2" / "3" / "4" / "5" / "6" / "8" / "10" / "15" / "20" / "25" / "30"	camera	camera.cgi	inq/set	Camera	"30" is available only for SNC-RZ25N	1.00
M4BitRate	"64" / "128" / "256" / "384" / "512" / "768" / "1024" / "1536" / "2048"	camera	camera.cgi	inq/set	Camera		1.00
M4IFrameInterval	"1" to "5"	camera	camera.cgi	inq/set	Camera		1.00
M4AutoRateCtrl	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
JpFrameRate	"5" / "6" / "8" / "10" / "15" / "20" / "25" / "30"	camera	camera.cgi	inq/set	Camera	"30" is available only for SNC-RZ25N	1.00
JpQuality	"1" to "5"	camera	camera.cgi	inq/set	Camera		1.00
JpBandwidth	"0.0" / "0.5" to "4.0"	camera	camera.cgi	inq/set	Camera		1.00
VideoStd	"ntsc" / "pal"	camera	camera.cgi	inq	Camera		1.00
Color	"color" / "black"	camera	camera.cgi	inq/set	Camera		1.00
Eflip	"on" / "off"	camera	camera.cgi	inq/set	Camera	*) After setting, the camera reboots	1.00
WBMode	"auto" / "indoor" / "outdoor" / "onepushwb" / "atw" / "manual"	camera	camera.cgi	inq/set	Camera		1.00
RGain	"00" to "ff"	camera	camera.cgi	inq/set	Camera		1.00
BGain	"00" to "ff"	camera	camera.cgi	inq/set	Camera		1.00
OnePushTrg	"trgon"	camera	camera.cgi	inq/set	Camera		1.00
ExpMode	"full"/"shutter"/"iris"/"manual"	camera	camera.cgi	inq/set	Camera		1.00
BLComp	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
AutoSlowShutter	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
Shutter	"0" to "21"	camera	camera.cgi	inq/set	Camera		1.00
Iris	"0" to "17"	camera	camera.cgi	inq/set	Camera		1.00
Gain	"0" to "15"	camera	camera.cgi	inq/set	Camera		1.00
ExpCompMode	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
ExpComp	"0" to "14"	camera	camera.cgi	inq/set	Camera		1.00
ImageMute	"on" / "off"	camera	camera.cgi	inq/set	Camera		1.00
ZoomMode	"full" / "optical"	camera	camera.cgi	inq/set	Camera		1.00
FocusMode	"auto" / "manual"	camera	camera.cgi	inq/set	Camera		1.00
Sharpness	"0" to "6"	camera	camera.cgi	inq/set	Camera		1.00
Brightness	"0" to "10"	camera	camera.cgi	inq/set	Camera		1.00
Saturation	"0" to "6"	camera	camera.cgi	inq/set	Camera		1.00
Contrast	"0" to "6"	camera	camera.cgi	inq/set	Camera		1.00
Camera	"initialize" / "preset" / "call"	-	camera.cgi	set	Camera		1.00

Network

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
Dhcp	"on" / "off"	network	network.cgi	inq/set	Network		1.00
DnsAuto	"on" / "off"	network	network.cgi	inq/set	Network		1.00
Ip	"<ip addr>"	network	network.cgi	inq/set	Network		1.00
Subnetmask	"<ip addr>"	network	network.cgi	inq/set	Network		1.00
Gateway	"<ip addr>"	network	network.cgi	inq/set	Network		1.00
MacAddress	"<mac addr>"	network	-	inq	Network		1.00
PrimaryDns	"<ip addr>"	network	network.cgi	inq/set	Network		1.00
SecondaryDns	"<ip addr>"	network	network.cgi	inq/set	Network		1.00
HttpPort	"80" / "1024" to "65535"	network	network.cgi	inq/set	Network		1.00

Wireless

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
WirelessFunc	"on" / "off"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsDhcp	"on" / "off"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsDnsAuto	"on" / "off"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsIp	"<ip addr>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsSubnetmask	"<ip addr>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsGateway	"<ip addr>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsMacAddress	"<mac addr>"	wireless	-	inq	Wireless		1.00
WlsPrimaryDns	"<ip addr>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsSecondaryDns	"<ip addr>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsSsid	"<text>"	wireless	wireless.cgi	inq/set	Wireless	"snc-rz25" is default	1.00
WlsNetworkType	"adhoc"/"infrastructure"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsChannel	"1" to "14"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsEnableCh	"<channel>"	wireless	-	inq	Wireless	Available channel of the inserted wireless LAN card	1.00
WlsWepTransKey	"1" to "4"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsWep	"on"/"off"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsWepKey1	"<wep key>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsWepKey2	"<wep key>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsWepKey3	"<wep key>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsWepKey4	"<wep key>"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsDiversity	"on" / "off"	wireless	wireless.cgi	inq/set	Wireless		1.00
WlsAntenna	"internal" / "external"	wireless	wireless.cgi	inq/set	Wireless		1.00

Dynamic IP address notification

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
SmtpIpNtfyService	"on" / "off"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
SmServerName	"<server name>"	smtp	ipnotify.cgi	inq/set	Dynamic IP	Identical as SmServerName in the e-Mail setting	1.00
SmAuthenMode	"none" / "smtp" / "pop" / "smtp-pop"	smtp	ipnotify.cgi	inq/set	Dynamic IP	Identical as SmAuthenmode in the e-Mail setting	1.00
SmAthPopServerName	"<server name>"	smtp	ipnotify.cgi	inq/set	Dynamic IP	Identical as SmAthPopServerName in the e-Mail setting	1.00
SmAthUserName	"<text>"	smtp	ipnotify.cgi	inq/set	Dynamic IP	Identical as SmAthUserName in the e-Mail setting	1.00
SmAthPassword	"<text>"	smtp	ipnotify.cgi	inq/set	Dynamic IP	Identical as SmAthPassword in the e-Mail setting	1.00
SmtpIpNtfyRcptAddr	"<e-mail addr>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
SmtpIpNtfyFromAddr	"<e-mail addr>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
SmtpIpNtfySubject	"<text>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
SmtpIpNtfyMessage	"<text>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
HttpIpNtfyService	"on" / "off"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
HttpIpNtfyUrl	"<text>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
HttpIpNtfyProxy	"<server name>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
HttpIpNtfyProxyPort	"1024" to "65535"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
HttpIpNtfyMethod	"GET" / "POST"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00
HttpIpNtfyOptionField	"<text>"	ipnotify	ipnotify.cgi	inq/set	Dynamic IP		1.00

PPPoE

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
PppoeFunc	"on" / "off"	network	network.cgi	inq/set	PPPoE		1.00
PppoeUserId	"<text>"	network	network.cgi	inq/set	PPPoE		1.00
PppoePassword	"<text>"	network	network.cgi	inq/set	PPPoE		1.00
PppoeIp	"<ip addr>"	network	network.cgi	inq	PPPoE	Provided PPPoE IP address after configuration	1.00
PppoeUseFixedIp	"on" / "off"	network	network.cgi	inq/set	-	Set to "on" when using PPPoE with fixed IP address	1.00
PppoeFixedIp	"<ip addr>"	network	network.cgi	inq/set	-	IP address which is used to be set	1.00
PppoeDnsAuto	"on" / "off"	network	network.cgi	inq/set	PPPoE		1.00
PppoePrimaryDns	"<ip addr>"	network	network.cgi	inq/set	PPPoE		1.00
PppoeSecondaryDns	"<ip addr>"	network	network.cgi	inq/set	PPPoE		1.00
PppoeIdleTimeout	"0" to "3600"	network	network.cgi	inq/set	-	Interval unit is 1 second.	1.00

User

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
Administrator	"<encoded name&pass>"	user	user.cgi	inq/set	User		1.00
User1	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User2	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User3	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User4	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User5	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User6	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User7	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User8	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
User9	"<encoded name&pass>,<mode>"	user	user.cgi	inq/set	User		1.00
ViewerAuthen	"on" / "off"	user	user.cgi	inq/set	User		1.00
ViewerModeDefault	"<mode>"	user	user.cgi	inq/set	User		1.00

Security

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
IpLimitFunc	"on" / "off"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimitPolicy	"allow" / "deny"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit1	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit2	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit3	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit4	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit5	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit6	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit7	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit8	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit9	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00
IpLimit10	"<ip addr>,<mask bits>,<policy>"	iplimit	iplimit.cgi	inq/set	Security		1.00

FTP client

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
FtpClientFunc	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcServerName	"<server name>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcUserName	"<text>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPassword	"<text>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPassive	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcStoreMode	"overwrite" / "rename"	ftpclient	ftpclient.cgi	inq/set	-		1.00
FcAlmFunc	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmRemotePath	"<text>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmAssignedName	"<text>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmSuffix	"date" / "seq"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmMotion	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmSensor1	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmSensor2	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmBuffer	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmPeriod	"always" / "schedule"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcAlmSchedule	"<schedule>"	ftpclient	ftpclient.cgi	inq/set	FTP client	(*3)	1.00
SeqClear	"ftp-alarm"	-	etc.cgi	set	FTP client		1.00
FcPeriodicalFunc	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPrdMode	"period" / "synctour"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPrdRemotePath	"<text>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPrdAssignedName	"<text>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPrdSuffix	"none" / "date" / "seq"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPrdPeriod	"always" / "schedule"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
FcPrdSchedule	"<schedule>"	ftpclient	ftpclient.cgi	inq/set	FTP client	(*3)	1.00
FcPrdInterval	"<interval time>"	ftpclient	ftpclient.cgi	inq/set	FTP client		1.00
SeqClear	"ftp-periodical"	-	etc.cgi	set	FTP client		1.00
FcManualFunc	"on" / "off"	ftpclient	ftpclient.cgi	inq/set	Trigger		1.00
FcManRemotePath	"<text>"	ftpclient	ftpclient.cgi	inq/set	Trigger		1.00
FcManAssignedName	"<text>"	ftpclient	ftpclient.cgi	inq/set	Trigger		1.00
FcManSuffix	"none" / "date" / "seq"	ftpclient	ftpclient.cgi	inq/set	Trigger		1.00
SeqClear	"ftp-manual"	-	etc.cgi	set	Trigger		1.00

FTP server

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
FtpServerFunc	"on" / "off"	ftpserver	ftpserver.cgi	inq/set	FTP server		1.00
FsRootDir	"builtin" / "a-slot"	ftpserver	ftpserver.cgi	inq/set	FTP server		1.00

SMTP

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
SmtpFunc	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmServerName	"<server name>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAuthenMode	"none" / "smtp" / "pop" / "smtp-pop"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAthPopServerName	"<server name>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAthUserName	"<text>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAthPassword	"<text>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmRcptToAddr1	"<e-mail addr>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmRcptToAddr2	"<e-mail addr>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmRcptToAddr3	"<e-mail addr>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAdminAddr	"<e-mail addr>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmSubject	"<text>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmMessage	"<text>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmFunc	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmFileAttach	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmAssignedName	"<text>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmSuffix	"none" / "date" / "seq"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmMotion	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmSensor1	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmSensor2	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmPeriod	"always" / "schedule"	smtp	smtp.cgi	inq/set	Mail		1.00
SmAlmSchedule	"<schedule>"	smtp	smtp.cgi	inq/set	Mail	(*3)	1.00
SeqClear	"smtp-alarm"	-	etc.cgi	set	Mail		1.00
SmPeriodicalFunc	"on" / "off"	smtp	smtp.cgi	inq/set	Mail		1.00
SmPrdAssignedName	"<text>"	smtp	smtp.cgi	inq/set	Mail		1.00
SmPrdSuffix	"none" / "date" / "seq"	smtp	smtp.cgi	inq/set	Mail		1.00
SmPrdPeriod	"always" / "schedule"	smtp	smtp.cgi	inq/set	Mail		1.00
SmPrdSchedule	"<schedule>"	smtp	smtp.cgi	inq/set	Mail	(*3)	1.00
SmPrdInterval	"<interval time>"	smtp	smtp.cgi	inq/set	Mail		1.00
SeqClear	"smtp-periodical"	-	etc.cgi	set	Mail		1.00
SmManualFunc	"on" / "off"	smtp	smtp.cgi	inq/set	Trigger		1.00
SmManAssignedName	"<text>"	smtp	smtp.cgi	inq/set	Trigger		1.00
SmManSuffix	"none" / "date" / "seq"	smtp	smtp.cgi	inq/set	Trigger		1.00
SeqClear	"smtp-manual"	-	etc.cgi	set	Trigger		1.00

Image memory

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
ImageMemoryFunc	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImDrive	"builtin"	imagememory	-	inq	-		1.00
ImOverWrite	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImCapWarn	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
SmServerName	"<server name>"	smtp	imagememory.cgi	inq/set	Image memory	Identical in the e-Mail setting	1.00
SmAuthenMode	"none" / "smtp" / "pop" / "smtp-pop"	smtp	imagememory.cgi	inq/set	Image memory	Identical in the e-Mail setting	1.00
SmAthPopServerName	"<server name>"	smtp	imagememory.cgi	inq/set	Image memory	Identical in the e-Mail setting	1.00
SmAthUserName	"<text>"	smtp	imagememory.cgi	inq/set	Image memory	Identical in the e-Mail setting	1.00
SmAthPassword	"<text>"	smtp	imagememory.cgi	inq/set	Image memory	Identical in the e-Mail setting	1.00
SmAdminAddr	"<e-mail addr>"	smtp	imagememory.cgi	inq/set	Image memory	Identical in the e-Mail setting	1.00
ImAlarmFunc	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmAssignedName	"<text>"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmSuffix	"date" / "seq"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmMotion	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmSensor1	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmSensor2	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmPeriod	"always" / "schedule"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImAlmSchedule	"<schedule>"	imagememory	imagememory.cgi	inq/set	Image memory	(*3)	1.00
ImAlmBuffer	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
SeqClear	"imagememory-alarm"	-	etc.cgi	set	Image memory		1.00
ImPeriodicalFunc	"on" / "off"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImPrdMode	"period" / "synctour"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImPrdAssignedName	"<text>"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImPrdSuffix	"none" / "date" / "seq"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImPrdPeriod	"always" / "schedule"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
ImPrdSchedule	"<schedule>"	imagememory	imagememory.cgi	inq/set	Image memory	(*3)	1.00
ImPrdInterval	"<interval time>"	imagememory	imagememory.cgi	inq/set	Image memory		1.00
SeqClear	"imagememory-periodical"	-	etc.cgi	set	Image memory		1.00
ImManualFunc	"on" / "off"	imagememory	imagememory.cgi	inq/set	Trigger		1.00
ImManAssignedName	"<text>"	imagememory	imagememory.cgi	inq/set	Trigger		1.00
ImManSuffix	"none" / "date" / "seq"	imagememory	imagememory.cgi	inq/set	Trigger		1.00
SeqClear	"imagememory-manual"	-	etc.cgi	set	Trigger		1.00

Alarm out1

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
AlarmOut1Func	"on" / "off"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00
Ao1Mode	"alarm" / "timer" / "daynight"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00
Ao1AlmMotion	"on" / "off"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00
Ao1AlmSensor	"on" / "off"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00
Ao1AlmPeriod	"always" / "schedule"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00
Ao1AlmSchedule	"<schedule>"	alarmout1	alarmout.cgi	inq/set	Alarm out1	(*3)	1.00
Ao1AlmDuration	"1" to "60"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00
Ao1TimSchedule	"<schedule>"	alarmout1	alarmout.cgi	inq/set	Alarm out1	(*3)	1.00
Ao1ManualFunc	"on" / "off"	alarmout1	alarmout.cgi	inq/set	Alarm out1		1.00

Alarm out 2

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
AlarmOut2Func	"on" / "off"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00
Ao2Mode	"alarm" / "timer" / "daynight"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00
Ao2AlmMotion	"on" / "off"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00
Ao2AlmSensor	"on" / "off"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00
Ao2AlmPeriod	"always" / "schedule"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00
Ao2AlmSchedule	"<schedule>"	alarmout2	alarmout.cgi	inq/set	Alarm out2	(*3)	1.00
Ao2AlmDuration	"1" to "60"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00
Ao2TimSchedule	"<schedule>"	alarmout2	alarmout.cgi	inq/set	Alarm out2	(*3)	1.00
Ao2ManualFunc	"on" / "off"	alarmout2	alarmout.cgi	inq/set	Alarm out2		1.00

Serial

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
SerType	"tcpip" / "visca"	serial	serial.cgi	inq/set	Serial		1.00
SerTcpPort	"1024" to "65535"	serial	serial.cgi	inq/set	Serial		1.00
SerBaudRate	"0" to "7"	serial	serial.cgi	inq/set	Serial		1.00
SerCharLen	"7" / "8"	serial	serial.cgi	inq/set	Serial		1.00
SerParityBit	"none" / "odd" / "even"	serial	serial.cgi	inq/set	Serial		1.00
SerStopBit	"1" / "2"	serial	serial.cgi	inq/set	Serial		1.00

Alarm buffer

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
AlmBufTime	"<pre time>,<post time>"	alarmbuffer	alarmbuffer.cgi	inq/set	Alarm buffer	sec	1.00
AlmBufMaxTime	"<pre time>,<post time>"	alarmbuffer	-	inq	Alarm buffer	sec	1.00

Motion detection

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
M4MotionDetect	"on" / "off"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin1	"on" / "off"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin1Area	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin1Sensitivity	"1" to "10"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin1Threshold	"1" to "1000"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin2	"on" / "off"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin2Area	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin2Sensitivity	"1" to "10"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin2Threshold	"1" to "1000"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin3	"on" / "off"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin3Area	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin3Sensitivity	"1" to "10"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin3Threshold	"1" to "1000"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin4	"on" / "off"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin4Area	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin4Sensitivity	"1" to "10"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdWin4Threshold	"1" to "1000"	motiondetection	motiondetection.cgi	inq/set	Motion detection		1.00
MdDisableCount	"1" to "1000"	motiondetection	motiondetection.cgi	inq/set	-	Indicates inactive period after previous motion detection.	1.00
-	-	-	mddata.cgi	inq	Motion detection	To acquire detection levels which will be displayed in the window indicators.	1.00

All configuration

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
-	-	all-configuration	all-configuration.cgi	inq/set	Initialization	"/system/snc-rz25.cfg" is backup URL	1.00

Other inquiries

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
UserWeb	"Used space : <used>Kbyte"	userweb	-	inq	-		1.00
BuiltIn	"Free space : <remain>Kbyte"	builtin	-	inq	FTP server		1.00
ASlot	"<cf card information>"	a-slot	-	inq	FTP server		1.00
-	-	camerapreset	-	inq	Camera		1.00
Sensor1	"0" / "1"	sensor	-	inq	-	"0" : open , "1" : short	1.00
Sensor2	"0" / "1"	sensor	-	inq	-	"0" : open , "1" : short	1.00

Trigger

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
Trigger	"ftp"	-	main.cgi	set	Trigger		1.00
Trigger	"smtp"	-	main.cgi	set	Trigger		1.00
Trigger	"smtp-test"	-	main.cgi	set	Easy mode		1.00
Trigger	"memory"	-	main.cgi	set	Trigger		1.00
Trigger	"alarmout1"	-	main.cgi	set	Trigger	toggle	1.00
Trigger	"alarmout1on"	-	main.cgi	set	-	Duration="1" to "60"	1.00
Trigger	"alarmout1off"	-	main.cgi	set	-		1.00
Trigger	"alarmout2"	-	main.cgi	set	Trigger	toggle	1.00
Trigger	"alarmout2on"	-	main.cgi	set	-	Duration="1" to "60"	1.00
Trigger	"alarmout2off"	-	main.cgi	set	-		1.00
Trigger	"daynighton"	-	main.cgi	set	-		1.00
Trigger	"daynightoff"	-	main.cgi	set	-		1.00
Trigger	"daynight"	-	main.cgi	set	Trigger	toggle	1.00

Other operation

Parameter	Value	Inquiry Paramter	Setting CGI	Attribute	Setting page	Note	Available version
System	"reboot"	-	main.cgi	set	Initialization		1.00
System	"initialize"	-	main.cgi	set	Initialization		1.00
System	"versionup"	-	main.cgi	set	Initialization		1.00
Format	"a-slot"	-	main.cgi	set	-		1.00
Delete	"panorama" / "homepage"	-	main.cgi	set	Initialization		1.00

Note: The supplementary about "SNC-RZ25N/P command list" is described below

*1 ImageSize value lis

setting command : http://ip_adr/command/camera.cgi?imagesize=<horizontal pixel>,<mode>
mode : 1 (Frame), 2 (Field)
horizontal pixe : See table below

Horizontal pixe	Vertical pixe
640	480
576	432
544	408
512	384
480	360
448	336
416	312
384	288
352	264
320	240
256	192
224	168
192	144
160	120

*2 Details of camera parameters

Shutter speed (sec)

SNC-RZ25N	SNC-RZ25P
0 : 1/1	0 : 1/1
1 : 1/2	1 : 1/2
2 : 1/4	2 : 1/3
3 : 1/8	3 : 1/6
4 : 1/15	4 : 1/12
5 : 1/30	5 : 1/25
6 : 1/60	6 : 1/50
7 : 1/90	7 : 1/75
8 : 1/100	8 : 1/100
9 : 1/125	9 : 1/120
10 : 1/180	10 : 1/150
11 : 1/250	11 : 1/215
12 : 1/350	12 : 1/300
13 : 1/500	13 : 1/425
14 : 1/725	14 : 1/600
15 : 1/1000	15 : 1/1000
16 : 1/1500	16 : 1/1250
17 : 1/2000	17 : 1/1750
18 : 1/3000	18 : 1/2500
19 : 1/4000	19 : 1/3500
20 : 1/6000	20 : 1/6000
21 : 1/10000	21 : 1/10000

Iris (F No)

17 : 1.4	8 : 6.8
16 : 1.6	7 : 8.0
15 : 2.0	6 : 9.6
14 : 2.4	5 : 11
13 : 2.8	4 : 14
12 : 3.4	3 : 16
11 : 4.0	2 : 19
10 : 4.8	1 : 22
9 : 5.6	0 : Close

Gain (dB)

0 : -3	8 : +14
1 : 0	9 : +16
2 : +2	10 : +18
3 : +4	11 : +20
4 : +6	12 : +22
5 : +8	13 : +24
6 : +10	14 : +26
7 : +12	15 : +28

ExpCom (dB)

0 : -10.5	8 : +1.5
1 : -9	9 : +3
2 : -7.5	10 : +4.5
3 : -6	11 : +6
4 : -4.5	12 : +7.5
5 : -3	13 : +9
6 : -1.5	14 : +10.5
7 : 0	

*3 Schedule parameter details

<Syntax>

xxSchedule=[Mon],[StartTime],[EndTime],[Tue],[StartTime],[EndTime],[Wed],[StartTime],[EndTime],[Thu],[StartTime],[EndTime],
[Fri],[StartTime],[EndTime],[Sat],[StartTime],[EndTime],[Sun],[StartTime],[EndTime]

<Example>

Setting the scheule to "on" from Monday to Friday, 9:00 - 17:30

xxSchedule=1,0900,1730,1,0900,1730,1,0900,1730,1,0900,1730,1,0900,1730,0,0900,1730,0,0900,1730

*4 SerBaudRate value list

0	1	2	3	4	5	6	7
300	600	1200	2400	4800	9600	19200	38400

Revision history

Version	Date	Comment
1.0beta	Dec/02/2004	First release as beta version