SONY

SNC-RZ30
CGI command manual

Version 2.0

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About this manual

This documentation explains the usage of CGI commands which is supported by SONY Network Camera the SNC-RZ30. The SNC-RZ30 has seven kinds of CGI commands which is listed below.

1) Motion image request command
   This is to be used to get motion image(Motion JPEG) from the SNC-RZ30.

2) Still image request command
   This is to be used to get a current still image from the SNC-RZ30.

3) Setting commands
   These are to be used to set various settings to the SNC-RZ30.

4) Inquiry commands of setting information
   These are to be used to inquire current settings about the SNC-RZ30.

5) Setting commands of camera parameters
   These are to be used to set various parameters about the camera such as exposure settings, white balance settings, image stabilizer setting, and picture effect settings.

6) Setting commands of Pan, Tilt, Zoom and Focus (PTZF)
   These are to be used to set various settings about Pan, Tilt, Zoom and Focus functions.

7) Inquiry commands of camera parameters and PTZF
   These are to be used to inquire various settings of camera parameters, Pan, Tilt, Zoom and Focus settings which can be set by using the CGI commands of 5) or 6).

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

1. Motion image request (MJPEG) command

Use when motion image needs to be acquired. The motion image is retrieved by the first GET command operation and will be send 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 and set the number of images to get by setting the "speed", "interval" or "number" parameters when data requests.

<Method>
GET

<syntax>

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

http://ip_adr/administratoronly/image[?speed=<value>&number=<value>]
http://ip_adr/administratoronly/image[?interval=<value>&number=<value>]
(For "Administrator mode")
```

<parameter>

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>

This parameter is complied to software version 2.0 or higher. The range of setting parameter is 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.

number=<value>

This parameter is complied to software version 2.0 or higher. The range of setting parameter is from 1 to 1000000. It is possible to set the number of acquiring images by setting the "number" parameter. After the specified number of images are acquired, the SNC-RZ30 web server will disconnect the session.

The effective value of "speed" parameter

effective	details	
0	fastest	
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	(NTSC model only)
10	12 frame/sec	(PAL model only)
20	15 frame/sec	(NTSC model only)
20	16 frame/sec	(PAL model only)
20	20 frame/sec	
30	25 frame/sec	(NTSC model only)

<example>

request for motion image by 20 frames per second

```
GET /image?speed=20 HTTP/1.1\r\n
Host: 192.168.1.1
```

<example>

request for 60 images with 1 frame per second.

```
GET /image?interval=1000&number=60
Host: 192.168.1.1
```

response data

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

Content-Type: header

It means that the body data is the format of image / jpeg.

CamTim: header
It stands for the date and time the JPEG image is taken in the unit.

PopUp: header
This header will be inserted when the "Manual pop-up text" is output by the setting page or the "sensor input" is detected.

*) In the software version 1.10 or lower, only the "Manual pop-up text" is inserted in the "/image" session. The "Alarm pop-up text" is only be inserted in the "/administratoronly/image" session. In the software version 2.0 or higher, it is possible to set whether "Alarm pop-up text " is output in the "/image" session.

The following example shows the response data to the getting motion JPEG command.

```
HTTP/1.1 200 OK\r\n
Content-Type: multipart/x-mixed-replace;boundary=--myboundary\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2003-01-06 Mon 21:00:05\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2003-01-06 Mon 21:00:05\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
Content-Type: image/jpeg\r\n
CamTim: 2003-01-06 Mon 21:00:06\r\n
PopUp: Information from SNC-RZ30\r\n
\r\n
<JPEG image data>\r\n
--myboundary\r\n
            .
            .
            .
```

2. Still image request command

Acquire 1 data segment of JPEG file as a still image. Image size, image quality, color reproduction setting and exposure setting become 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/1.1 200 OK\r\n
Content-Type: image/jpeg\r\n
Content-Length: <image size>\r\n
\r\n
<JPEG image data>\r\n
```

3. Setting commands

Set various settings for the SNC-RZ30. When using the command, describe as the following syntax <parameter>=<value>. It is possible to transmit several prameters 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>...]
```

<parameter>
refer to "SNC-RZ30 command list"

4. Inquiry commands of setting information

These are to be used to inquire current status for the SNC-RZ30. The item which has an "inq" attribute in the "SNC-RZ30 command list" can be inquired 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 "standar format" response

<syntax>

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

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

```
HTTP/1.1 200 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>
```

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

```
HTTP/1.1 200 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>
```

<parameter>
refer to "SNC-RZ30" command list" with the item which has an "inq" attribute

5. Setting commands of camera parameter

These commands are to be used to set camera parameters. The camera paramters include exposure settings, white balance settings, image stabilizer setting, and picture effect setttings. Camera parameter can be set by forwarding the "Visca parameter" which is listed in "Camera parameter command list for SNC-RZ30".

*) The portion of the camera parameters can be set by using "/command/camera.cgi" command in the software version 2.0 or higher. Refer to the "SNC-RZ30 command list" about the details.

<Method>
GET/POST

<syntax>

```
http://ip_adr/command/visca-gen.cgi?visca=<viscacommand>
```

<parameter>
Refer to "Camera parameter setting command list for SNC-RZ30"

<example>
The following example shows setting White Balance Mode to "Auto".

```
POST /command/visca-gen.cgi HTTP/1.1\r\n
Host: 192.168.1.1\r\n
Connection: Keep-Alive\r\n
Cache-Control: no-cache\r\n
Content-Length: 18\r\n
\r\n
VISCA=8101043500FF
```

response data

```
HTTP/1.1 204 No Content\r\n
Content-Length: 0\r\n
Server:  NetEVI/X.XX
\r\n
```

6. Setting commands of Pan, Tilt, Zoom and Focus (PTZF)

These commands are used to control Pan, Tilt, Zoom and Focus functions of the SNC-RZ30. Four types of parameters can be continued for the CGI command "ptzf.cgi" and are listed below.

1) "visca" parameter which is set by putting the "PTZF commad" listed in the "PTZF command for SNC-RZ30".
2) "relative" parameter which is used for the relative displacement.
3) "AreaZoom" parameter which is used in the case the selected rectangle area of the shot image is required to zoom.
4) "directPT" parameter which is used in the case the selected position of the shot image is required to move to the middle.

<Method>
GET/POST

<syntax>

```
http://ip_adr/command/ptzf.cgi?visca=PTZFcommand
 (http://ip_adr/command/visca-ptzf.cgi?visca=PTZFcomma <- version 1.09 or lower

http://ip_adr/command/ptzf.cgi?relative=aabb

http://ip_adr/command/ptzf.cgi?AreaZoom=x,y,w,h

http://ip_adr/command/ptzf.cgi?directPT=x,y
```

6-1. visca parameter

Refer to the "PTZF command list for SNC-RZ30" to set the PTZF parameters.

*1) This parameter is used by "/command/visca-ptzf.cgi" command in the software version 1.09 or lower. In the later version "/command/ptzf.cgi" command is used to set the visca paramter.
*2) When using PTZF command other than direct command("absolute position", "relative position"), be sure to send "STOP" command at the last.
*3) The SNC-RZ30 has "Auto Pan-Tilt Speed" status which is set to "On" as factory default. This status stands for whether Pan and Tilt speed parameter (vv, ww) is reflected to the control. If the "Auto Pan-Tilt Speed" status is set to "On", the optimized speed calculated by refering to the current zoom position is set in Pan and Tilt operation. When the speed parameter of the visca parameter is required to reflect the control, be sure to set the "Auto Pan-Tilt Speed" status to "Off" in advance. However the speed parameter can be reflected in the "Preset_Position_With_Speed" command regardless of the status.

<example>
The following example shows setting Auto Pan-Tilt Speed Control to "ON".

```
POST /command/ptzf.cgi HTTP/1.1\r\n
Host: 192.168.1.1\r\n
Connection: Keep-Alive\r\n
Cache-Control: no-cache\r\n
Content-Length: 18\r\n
\r\n
VISCA=8101062402FF
```

response

```
HTTP/1.1 204 No Content\r\n
Content-Length: 0\r\n
Server:  NetEVI/X.XX
\r\n
```

<supplement>
The explanation of the Pan and Tilt position goes on. It is possible to control Pan and Tilt position of the SNC-RZ30 with the absolute or relative displacement by setting the following parameters.

AbusolutePosition : visca=81010602vvww0y0y0y0y0z0z0z0zFF
RelativePostion : visca=81010603vvww0y0y0y0y0z0z0z0zFF
(vv : Pan speed, ww : Tilt speed , yyyy : Pan position, zzzz : Tilt postiion)

The coordinate system of the Pan and Tilt position is shown in Figure 1. When the ceiling mounted SNC-RZ30 is required to move to the upper right corner, the each position is yyyy=F670, zzzz=FCC4 so the command and the response is as follows. Note that the positions yyyy and zzz are the 16 bit number and described as ones complement.

<example>

```
POST /command/ptzf.cgi HTTP/1.1\r\n
Host: 192.168.1.1\r\n
Connection: Keep-Alive\r\n
Cache-Control: no-cache\r\n
Content-Length: 36\r\n
\r\n
VISCA=8101060206060F0607000F0C0C04FF
```

response data

```
HTTP/1.1 204 No Content\r\n
Content-Length: 0\r\n
Server:  NetEVI/X.XX
\r\n
```

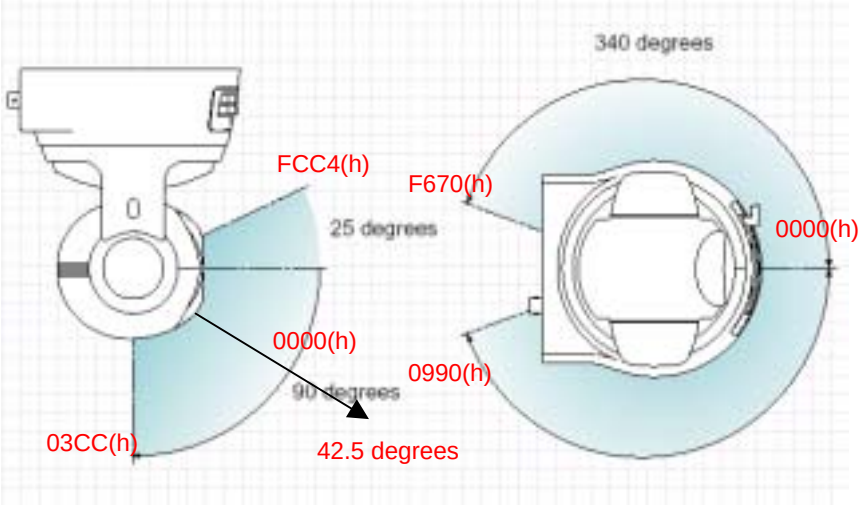

Figure 1: The coordinate system of the Pan and Tilt absolute position

6-2. relative (relative = AABB)

It is possible to make the relative displacement of the Pan, Tilt, Zoom and Focus by using the relative parameter. The difference between this parameter and "visca" parameter of relative position assignment is the presense of normalization with its Zoom position.

*) This parameter is complied to the software version 1.10 or higher.

How to set the value of "AA"

The value of "AA" stands for the controlled item and direction such as "Pan position to the right" or "Zoom position to WIDE". It is possible to set the value "AA" by the following FIgure or explana

Pan, Tilt position -> Refer to figure 2.

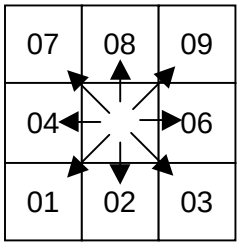

Figure 2: The value of "AA" for Pan and Tilt control

Zoom position	WIDE -> 10	TELE -> 11
Focus position	NEAR -> 12	FAR -> 13

How to set the value of "BB"

The value of "BB" stands for the degree of displacement whose range is from 01 to 10. The degree of Pan and Zoom displacement is shown in Table 1.

Table 1 : The degree of the Pan and Tilt displacement

the value of "BB"	the degree of displacement in the screen
01	about 10%
02	about 15%
03	about 20%
04	about 25%
05	about 30%
06	about 40%
07	about 50%
08	about 66.7%
09	about 83.3%
10	about 100%

<example>
displacement to the right in the degree of about 30% of the screen

```
POST /command/ptzf.cgi HTTP/1.1\r\n
Host: 192.168.1.1\r\n
Connection: Keep-Alive\r\n
Cache-Control: no-cache\r\n
Content-Length: 13\r\n
\r\n
relative=0605
```

response

```
HTTP/1.1 204 No Content\r\n
Content-Length: 0\r\n
Server:  NetEVI/X.XX
\r\n
```

6-3. AreaZoom parameter (AreaZoom=x,y,w,h)

It is possible to make the Pan and Tilt displacement of the SNC-RZ30 by using "AreaZoom" parameter which is familiar to the mouse operation. At first regard the center point of the shot image as coordinate origin in Figure 3. If the rectanglar area the center of which is (x, y) and the width and height is (w, h) is required to be shot, set the parameter as "AreaZoom=x,y,w,h". The SNC-RZ30 will shot the dashed line area after the command set.

*1) This parameter is complied to the software version 2.0 or higher.
*2) There has much or less errors according to the the current Pan, Tilt and Zoom position of the SNC-RZ30.
*3) If the current zoom position is optical area, the zooming action is limited to optical

zoom maximum. If the "AreaZoom" operation is made on condition that the zoom position is set to optical maximum, the digital zoom action will be made according to the Zoom mode.

*4) When w=0 and h=0 are set in the AreaZoom parameter, no zoom operation is made but the Pan and Tilt operation.

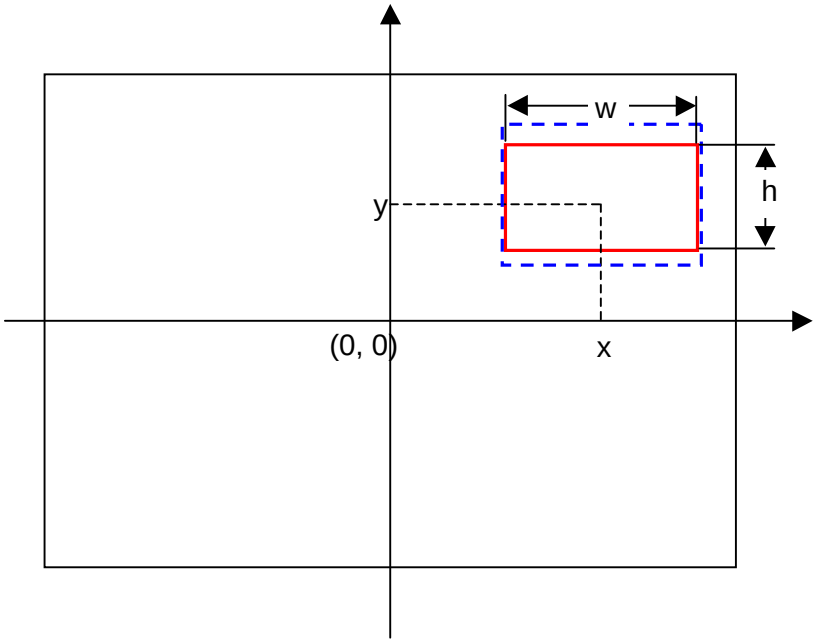

Figure 3: The conceptual diagram of AreaZoom displacement

6-4. directPT parameter (directPT=x,y)

It is possible to make the Pan and Tilt displacement of the SNC-RZ30 by using "directPT" parameter which is also familiar to the mouse operation. At first, regard the shot area as the rectangle whose pixel size is 640x480 and x-y coordinate of the upper left corner as the point (1, 1). It is possible to move the (x, y) to the center by setting the parameter as "directPT=x,y". Refer to the conceptual diagram shown in Figure 3.

*1) This parameter is complied to the software version 1.10 or higher. It is possible to use "/command/directpt.cgi" command in the lower version.

*2) There has much or less errors according to the the current Pan, Tilt and Zoom position of the SNC-RZ30.

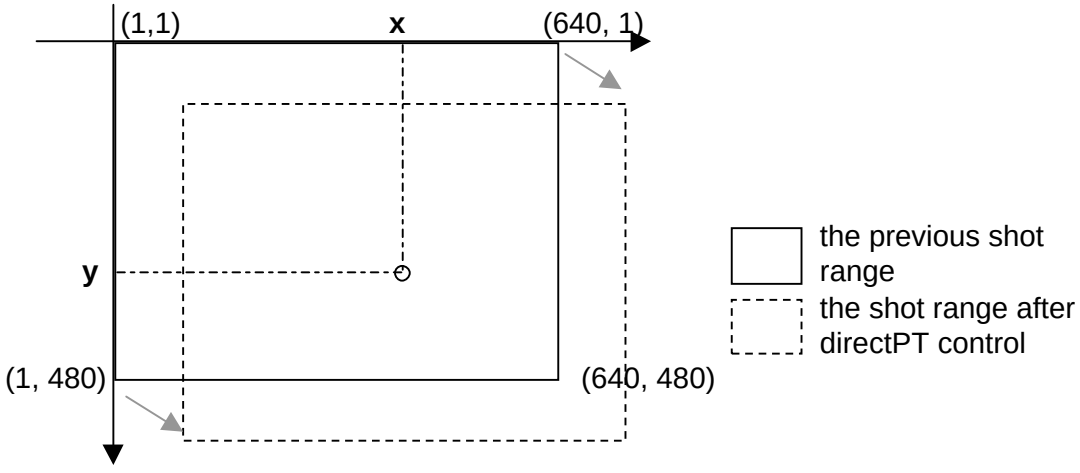

Figure 4: The conceptual diagram of "directPT" displacement

<example>

```
POST /command/ptzf.cgi HTTP/1.1\r\n
Host: 192.168.1.1\r\n
Connection: Keep-Alive\r\n
Cache-Control: no-cache\r\n
Content-Length: 16\r\n
\r\n
directPT=400,260
```

response

```
HTTP/1.1 204 No Content\r\n
Content-Length: 0\r\n
Server:  NetEVI/X.XX
\r\n
```

7. Inquiry commands of camera parameters and PTZF

These commands are used to inquire current camera paramters and PTZF settings. Camera parameters and PTZF can be inquired by forwarding the "Inquiry command" which is listed in "Camera parameter and PTZF inquiry command list for SNC-RZ30".

<Method>
GET/POST

<syntax>

```
http://ip_adr/command/visca-inquiry.cgi?visca=<InquiryCommand>
```

<example>
The following example shows the inquiry of the current D-Zoom mode.

```
POST /command/visca-inquiry.cgi HTTP/1.1\r\n
Host: 192.168.1.1\r\n
Connection: Keep-Alive\r\n
Cache-Control: no-cache\r\n
Content-Length: 16\r\n
\r\n
VISCA=81090406FF
```

response data (D-Zoom On)

```
HTTP/1.1 200 OK\r\n
Content-Type: text/plain\r\n
Content-Length: 8\r\n
Server:  NetEVI/X.XX
\r\n
905002FF
```

SNC-RZ30 CGI command list

System

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
ModelName	"SNC-RZ30N" / "SNC-RZ30P"	inq	-	sysinfo	-	-		2.00
Serial	"<serial no.>"	inq	-	sysinfo	-	System		1.08
PanTiltFunc	"1"	inq	-	sysinfo	-	-		2.00
ZoomFunc	"1"	inq	-	sysinfo	-	-		2.00
SoftVersion	"<version>"	inq	-	sysinfo	-	-		1.10
TitleBar	"<text>"	inq/set	-/4	sysinfo	system.cgi	System	up to 32 letters	1.08
WelcomeText	"<text>"	inq/set	-/4	sysinfo	system.cgi	System	up to 1024 letters	1.08
Mount	"ceiling" / "desktop"	inq/set	-/4	sysinfo	system.cgi	System		1.08
DefFrameRate	"<frame rate>" / "fastest"	inq/set	-/4	sysinfo	system.cgi	System	NTSC : 0, 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, fastes PAL : 0, 1, 2, 3, 4, 5, 6, 8, 12, 16, 20, fastes	1.08
DefUrlMode	"default" / "userset"	inq/set	-/4	sysinfo	system.cgi	System		1.08
UserUrlPath	"/adrv/<text>" / "/bdrv/<text>"	inq/set	-/4	sysinfo	system.cgi	System	up to 64 letters except the string of "/adrv/" , "/bdrv/"	1.08
CgiAuthen	"on" / "off"	inq/set	-/4	sysinfo	system.cgi	-	CGI command authentication	2.00
Led	"on" / "off"	inq/set	-/4	sysinfo	system.cgi	-	turning the LED on or off	2.00

Exclusive camera control

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
CamCtrlRight	"on" / "off"	inq/set	-/4	camctrlright	system.cgi	System		1.08
CamCtrlTime	"10" to "600"	inq/set	-/4	camctrlright	system.cgi	System	The unit of the parameter is "second".	1.08
CamMaxWaitNo	"0" to "20"	inq/set	-/4	camctrlright	system.cgi	System	Maximum setting number of control rights	1.08

Sensor status

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
AlarmData	"on" / "off"	inq/set	-/4	sysinfo	system.cgi	-	Whether to collect the alarm information (On/Off)	2.00
AlarmDataInterval	"0" to "3600"	inq/set	-/4	sysinfo	system.cgi	-	The unit of the parameter is "second".	2.00
Sensor1	"0" / "1"	inq	4	sensor	-	-	"0" : low or open , "1" : high or short	2.00
Sensor2	"0" / "1"	inq	4	sensor	-	-	"0" : low or open , "1" : high or short	2.00
Sensor3	"0" / "1"	inq	4	sensor	-	-	"0" : low or open , "1" : high or short	2.00

Date and time

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
Time	"<time>"	inq/set	4/4	sysdate	etc.cgi	Date time		1.08
TimeZone	"-12" to "13"	inq/set	4/4	sysdate	system.cgi	Date time	Time zone setting	1.08
DateFormat	"ymd" / "mdy" / "dmy"	inq/set	4/4	sysdate	system.cgi	Date time	yyyy-mm-dd / mm-dd-yyyy / dd-mm-yyyy	1.08
DateTime	"on" / "off"	inq/set	-/4	sysinfo	system.cgi	-	Whether to display date and time in the Viewer page	2.00
NtpService	"on" / "off"	inq/set	-/4	sysinfo	system.cgi	Date time	Whether to synchronize with NTP server.	2.00
NtpServer	"<server>"	inq/set	-/4	sysinfo	system.cgi	Date time	up to 64 letters	2.00
NtpInterval	"100" to "86400"	inq/set	-/4	sysinfo	system.cgi	Date time	The unit of the parameter is second.	2.00

Camera

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
ImageSize	"0" to "8"	inq/set	2/4	camera	camera.cgi	Camera	"jpeg.cgi" for the software version 1.10 or lower	2.00
ImageSizeOption	"<horizontal pixel>,<mode>"	inq/set	2/4	camera	camera.cgi	-		2.00
Quality	"1" to "10"	inq/set	2/4	camera	camera.cgi	Camera	"jpeg.cgi" for the software version 1.10 or lower	2.00
Color	"color" / "black"	inq/set	2/4	camera	camera.cgi	Camera		2.00
AreaSelect	"on" / "off"	inq/set	2/4	camera	camera.cgi	Camera	"jpeg.cgi" for the software version 1.10 or lower	2.00
AreaSet	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	inq/set	2/4	camera	camera.cgi	Area	"jpeg.cgi" for the software version 1.10 or lower	2.00
ZoomMode	"optical" / "full"	inq/set	2/4	camera	camera.cgi	Camera		2.00
FocusMode	"auto" / "manual"	inq/set	2/4	camera	camera.cgi	Camera		2.00
WBMode	"auto" / "indoor"/ "outdoor" / "onepushwb" "atw" / "manual"	inq/set	2/4	camera	camera.cgi	Camera		2.00
RGain	"00" to "ff"	inq/set	2/4	camera	camera.cgi	Camera	hexadecimal	2.00
BGain	"00" to "ff"	inq/set	2/4	camera	camera.cgi	Camera	hexadecimal	2.00
ExpMode	"full" / "shutter" / "iris" / "manual"	inq/set	2/4	camera	camera.cgi	Camera		2.00
BLComp	"on" / "off"	inq/set	2/4	camera	camera.cgi	Camera		2.00
Shutter	"0" to "21"	inq/set	2/4	camera	camera.cgi	Camera		2.00
Iris	"0" to "17"	inq/set	2/4	camera	camera.cgi	Camera		2.00
Gain	"0" to "15"	inq/set	2/4	camera	camera.cgi	Camera		2.00
ExpCompMode	"on" / "off"	inq/set	2/4	camera	camera.cgi	Camera		2.00
ExpComp	"0" to "14"	inq/set	2/4	camera	camera.cgi	Camera		2.00
Saturation	"0" to "6"	inq/set	2/4	camera	camera.cgi	Camera	"jpeg.cgi" for the software version 1.10 or lower	2.00
Sharpness	"0" to "15"	inq/set	2/4	camera	camera.cgi	Camera		2.00
Contrast	"0" to "6"	inq/set	2/4	camera	camera.cgi	Camera	"jpeg.cgi" for the software version 1.10 or lower	2.00
Stabilizer	"on" / "off"	inq/set	2/4	camera	camera.cgi	Camera		2.00
Camera	"initialize"	set	4	-	etc.cgi	Camera		1.08

Day/Night

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
DayNightMode	"disable" / "auto" / "manual" / "timer"	inq/set	2/4	camera	camera.cgi	Day/Night		2.00
DnSchedule	"<no.>,<no.>,..."	inq/set	2/4	camera	camera.cgi	Day/Night		2.00
DayNight	"on" / "off"	inq/set	2/4	camera	camera.cgi	Day/Night		2.00

Camera control mode

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
PtzfMode	"normal" / "step"	inq/set	2/4	camera	camera.cgi	Camera control mode		1.10
RelPanTilt	"1" to "10"	inq/set	2/4	camera	camera.cgi	Camera control mode		1.10
RelZoom	"1" to "10"	inq/set	2/4	camera	camera.cgi	Camera control mode		1.10
RelFocus	"1" to "10"	inq/set	2/4	camera	camera.cgi	Camera control mode		1.10

Jpeg marker

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version

AppFormat	"standard" / "option1" / "off"	inq/set	2/4	camera	camera.cgi	-		2.00
AppMarker	"ffe0" to "ffef"	inq/set	2/4	camera	camera.cgi	-	hexadecimal	2.00
ComFormat	"standard" / "option1" / "off"	inq/set	2/4	camera	camera.cgi	-		2.00

Wired LAN (Ethernet)

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
Dhcp	"on" / "off"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
DnsAuto	"on" / "off"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
Ip	"<ip addr>"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
Subnetmask	"<ip addr>"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
Gateway	"<ip addr>"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
MacAddress	"<mac addr>"	inq	4	tcpip	-	Wired LAN		1.08
PrimaryDns	"<ip addr>"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
SecondaryDns	"<ip addr>"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
Bandwidth	"0.0" / "0.5" to "8.0"	inq/set	4/4	tcpip	ethernet.cgi	Wired LAN		1.08
HttpPort	"80" / "1024" to "65535"	inq/set	4/4	tcpip	ethernet.cgi	HTTP port	This setting is effective for both interfaces.	1.10

Wireless LAN

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
WirelessFunc	"on" / "off"	inq/set	4/4	wireless	wireless.cgi	-		2.00
WlsDhcp	"on" / "off"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsDnsAuto	"on" / "off"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsIp	"<ip addr>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsSubnetmask	"<ip addr>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsGateway	"<ip addr>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsMacAddress	"<mac addr>"	inq	4	wireless	-	Wireless LAN		2.00
WlsPrimaryDns	"<ip addr>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsSecondaryDns	"<ip addr>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsBandwidth	"0.0" / "0.5" to "3.0"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsSsid	"<text>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN	up to 32 letters	2.00
WlsNetworkType	"adhoc" / "infrastructure"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsCountry	"0" to "9"	inq	4	wireless	-	Wireless LAN		2.00
WlsChannel	"1" to "14"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsTransPower	"0" to "6"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsWepTransKey	"1" to "4"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsWep	"on" / "off"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsWepKey1	"<wep key>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsWepKey2	"<wep key>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsWepKey3	"<wep key>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00
WlsWepKey4	"<wep key>"	inq/set	4/4	wireless	wireless.cgi	Wireless LAN		2.00

Dynamic IP address notification

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
SmtpIpNtfyService	"on" / "off"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
SmServerName	"<server name>"	inq/set	3/4	smtp	ipnotify.cgi	Dynamic IP	The identical parameter in the SMTP setting	2.00
SmtpIpNtfyRcptAddr	"<e-mail addr>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
SmtpIpNtfyFromAddr	"<e-mail addr>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
SmtpIpNtfySubject	"<text>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
SmtpIpNtfyMessage	"<text>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
HttpIpNtfyService	"on" / "off"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00

HttpIpNtfyUrl	"<text>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
HttpIpNtfyProxy	"<server name>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
HttpIpNtfyProxyPort	"1024" to "65535"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
HttpIpNtfyMethod	"GET" / "POST"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00
HttpIpNtfyOptionField	"<text>"	inq/set	4/4	ipnotify	ipnotify.cgi	Dynamic IP		2.00

Security

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
IpLimitFunc	"on" / "off"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimitPolicy	"allow" / "deny"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit1	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit2	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit3	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit4	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit5	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit6	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit7	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit8	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit9	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08
IpLimit10	"<ip addr>,<mask bits>,<policy>"	inq/set	4/4	iplimit	iplimit.cgi	Security		1.08

Preset position

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
PresetSet	"<no.>,<name>"	set	4	-	presetposition.cgi	Preset position		1.08
PresetClear	"<no.>,<no.>,..."	set	4	-	presetposition.cgi	Preset position		1.08
PresetName	"<no.>,<name>,<no.>,<name>, ..."	inq	2	presetposition	-	Preset position		1.08
PresetSensor1	"<no.>" / "none"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
PresetSensor2	"<no.>" / "none"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
PresetSensor3	"<no.>" / "none"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
PresetActivity	"<no.>" / "none"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSelect	"a" / "b" / "c" / "d" / "e" / "none"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourPeriod	"always" / "schedule"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSchedule	"<no.>,<no.>,..."	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSequenceA	"<no.>,<no.>,..."	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSequenceB	"<no.>,<no.>,..."	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSequenceC	"<no.>,<no.>,..."	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSequenceD	"<no.>,<no.>,..."	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSequenceE	"<no.>,<no.>,..."	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourStaytimeA	"1" to "3600"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourStaytimeB	"1" to "3600"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourStaytimeC	"1" to "3600"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourStaytimeD	"1" to "3600"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourStaytimeE	"1" to "3600"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSpeedA	"<pan speed>,<tilt speed>"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSpeedB	"<pan speed>,<tilt speed>"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSpeedC	"<pan speed>,<tilt speed>"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSpeedD	"<pan speed>,<tilt speed>"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourSpeedE	"<pan speed>,<tilt speed>"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourResume	"on" / "off"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08
TourRsmTime	"5" to "600"	inq/set	2/4	presetposition	presetposition.cgi	Preset position		1.08

FTP client

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
FtpClientFunc	"on" / "off"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcServerName	"<server name>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcUserName	"<text>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcPassword	"<text>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcRemotePath	"<text>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcAssignedName	"<text>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcSuffix	"none" / "date" / "seq"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
SeqClear	"ftpclient"	set	4	-	etc.cgi	FTP client		1.08
FcMode	"manual" / "alarm" / "periodical"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcAlmIn	"<alarm in>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcAlmPeriod	"always" / "schedule"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcAlmSchedule	"<no.>,<no.>,…"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcAlmViewer	"on" / "off"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcPrdInterval	"<interval time>"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcPrdPeriod	"always" / "schedule"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcPrdSchedule	"<no.>,<no.>,…"	inq/set	2/4	ftpclient	ftpclient.cgi	FTP client		1.08
FcStoreMode	"overwrite" / "rename"	inq/set	2/4	ftpclient	ftpclient.cgi	-		2.00
FcConnection	"normal" / "keepalive"	inq/set	2/4	ftpclient	ftpclient.cgi	-		2.00

FTP server

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
FtpServerFunc	"on" / "off"	inq/set	4/4	ftpserver	ftpserver.cgi	FTP server		1.08
FsRootDir	"builtin" / "ata-a" / "ata-b"	inq/set	4/4	ftpserver	ftpserver.cgi	FTP server		1.08
FsUserPass1	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass2	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass3	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass4	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass5	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass6	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass7	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass8	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass9	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08
FsUserPass10	"<user name>,<password>"	inq/set	4/4	ftpuser	ftpserver.cgi	FTP server		1.08

SMTP

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
SmtpFunc	"on" / "off"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmServerName	"<server name>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmRcptToAddr1	"<e-mail addr>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmRcptToAddr2	"<e-mail addr>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmRcptToAddr3	"<e-mail addr>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmAdminAddr	"<e-mail addr>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmSubject	"<text>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmMessage	"<text>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmAssignedName	"<text>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmSuffix	"none" / "date" / "seq"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SeqClear	"smtp"	set	4	-	etc.cgi	SMTP		1.08
SmMode	"manual" / "alarm" / "periodical"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08

SmAlmIn	"<alarm in>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmAlmPeriod	"always" / "schedule"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmAlmSchedule	"<no.>,<no.>,…"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmPrdInterval	"<interval time>"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmPrdPeriod	"always" / "schedule"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08
SmPrdSchedule	"<no.>,<no.>,…"	inq/set	3/4	smtp	smtp.cgi	SMTP		1.08

Alarm out 1/2

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
AlarmOut1Func	"on" / "off"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao1Mode	"manual" / "daynight" / "alarm" / "timer"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao1AlmIn	"<alarm in>"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao1AlmPeriod	"always" / "schedule"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao1AlmSchedule	"<no.>,<no.>,…"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao1AlmDuration	"1" to "60"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao1TimSchedule	"<no.>,<no.>,…"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
AlarmOut2Func	"on" / "off"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao2Mode	"manual" / "daynight" / "alarm" / "timer"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao2AlmIn	"<alarm in>"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao2AlmPeriod	"always" / "schedule"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao2AlmSchedule	"<no.>,<no.>,…"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao2AlmDuration	"1" to "60"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08
Ao2TimSchedule	"<no.>,<no.>,…"	inq/set	3/4	alarmout	alarmout.cgi	Alarm out		1.08

Image memory

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
ImageMemoryFunc	"on" / "off"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImDrive	"builtin" / "ata-a" / "ata-b"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImAssignedName	"<text>"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImSuffix	"none" / "date" / "seq"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
SeqClear	"imagememory"	set	4	-	etc.cgi	Image memory		1.08
ImOverWrite	"on" / "off"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImCapWarn	"on" / "off"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		2.00
SmServerName	"<server name>"	inq/set	3/4	smtp	imagememory.cgi	Image memory	The identical parameter in the SMTP setting	2.00
SmAdminAddr	"<e-mail addr>"	inq/set	3/4	smtp	imagememory.cgi	Image memory	The identical parameter in the SMTP settin	2.00
ImMode	"manual" / "alarm" / "periodical"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImAlmIn	"<alarm in>"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImAlmPeriod	"always" / "schedule"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImAlmSchedule	"<no.>,<no.>,…"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImAlmViewer	"on" / "off"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImPrdInterval	"<interval time>"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImPrdPeriod	"always" / "schedule"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImPrdSchedule	"<no.>,<no.>,…"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08
ImPrdViewer	"on" / "off"	inq/set	4/4	imagememory	imagememory.cgi	Image memory		1.08

Alarm buffer

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
AlmBufInterval	"0" to "14"	inq/set	4/4	alarmbuffer	alarmbuffer.cgi	Alarm buffer		1.08
AlmBufNumber	"<pre number>,<post number>"	inq/set	4/4	alarmbuffer	alarmbuffer.cgi	Alarm buffer		1.08
AlmBufMaxNumber	"<total max. number>"	inq	4	alarmbuffer	-	Alarm buffer		1.08

Serial

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
SerStandard	"rs232c" / "rs485"	inq/set	4/4	serial	serial.cgi	Serial		1.08
SerType	"tcpip" / "http" / "visca"	inq/set	4/4	serial	serial.cgi	Serial		1.08
SerTcpPort	"1024" to "65535"	inq/set	4/4	serial	serial.cgi	Serial		1.08
SerBaudRate	"0" to "7"	inq/set	4/4	serial	serial.cgi	Serial		1.08
SerCharLen	"7" / "8"	inq/set	4/4	serial	serial.cgi	Serial		1.08
SerParityBit	"none" / "odd" / "even"	inq/set	4/4	serial	serial.cgi	Serial		1.08
SerStopBit	"1" / "2"	inq/set	4/4	serial	serial.cgi	Serial		1.08

Schedule

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
Sch1Time	"<start time>,<end time>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch1Week	"<week>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch2Time	"<start time>,<end time>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch2Week	"<week>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch3Time	"<start time>,<end time>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch3Week	"<week>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch4Time	"<start time>,<end time>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch4Week	"<week>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch5Time	"<start time>,<end time>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch5Week	"<week>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch6Time	"<start time>,<end time>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08
Sch6Week	"<week>"	inq/set	4/4	schedule	schedule.cgi	Schedule		1.08

Activity detection

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
ActSet	"<upper left X>,<upper left Y>,<lower right X>,<lower right Y>"	inq/set	4/4	activity	activitydetection.cgi	Activity detection		1.08
ActSensitivity	"0" to "8"	inq/set	4/4	activity	activitydetection.cgi	Activity detection		1.08
ActDisableCount	"1" to "16777215"	inq/set	4/4	activity	activitydetection.cgi	-		1.08
ActRawData	"on" / "off"	inq/set	4/4	activity	activitydetection.cgi	-		2.00
ActThreshold	"0" to "255"	inq/set	4/4	activity	activitydetection.cgi	-		2.00
ActAutoModeSens	"0" to "8"	inq/set	4/4	activity	activitydetection.cgi	-		2.00

Pop-up

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
PopUpManual	"<text>"	inq/set	4/4	popup	etc.cgi	Pop-up		1.08
PopUpDisplayMode	"administrator" / "all-users"	inq/set	4/4	popup	popup.cgi	Pop-up		2.00
PopUpSensor1	"on" / "off"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpSen1Text	"<text>"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpSensor2	"on" / "off"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpSen2Text	"<text>"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpSensor3	"on" / "off"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpSen3Text	"<text>"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpActivity	"on" / "off"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08
PopUpActText	"<text>"	inq/set	4/4	popup	popup.cgi	Pop-up		1.08

Zoom limit

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
O-ZoomTeleLimit	"4.0" to "25.0"	inq/set	4/4	zoomlimit	zoomlimit.cgi	-	Turn off the power once after the Power LED get to blink.	2.00
E-ZoomLimit	"1.0" to "12.0"	inq/set	4/4	zoomlimit	zoomlimit.cgi	-		2.00

All configuration

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
-	-	inq/set	4	all-configuration	all-configuration.cgi	Initializatior	"/home/l4/snc-rz30.cfg" is backup URL	2.00

Other inquiries

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
TvStandard	"ntsc" / "pal"	inq	-	tvstandard	-	-		1.08
DriveA	"<pc card information>"	inq	4	card	-	-		1.08
DriveB	"<pc card information>"	inq	4	card	-	-		1.08
BuiltIn	"Free space : <remain>byte"	inq	4	builtin	-	-		1.08
LoginNum	"0" to "50"	inq	1	loginuser	-	-		1.08
Host	"<domain name or ip addr [: port]>"	inq	1	host	-	-		1.09

Trigger

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
Trigger	"ftp"	set	3	-	main.cgi	Trigger		1.08
Trigger	"smtp"	set	3	-	main.cgi	Trigger		1.08
Trigger	"memory"	set	3	-	main.cgi	Trigger		1.08
Trigger	"alarmout1on"	set	3	-	main.cgi	-		2.00
Trigger	"alarmout1off"	set	3	-	main.cgi	-		2.00
Trigger	"alarmout1"	set	3	-	main.cgi	Trigger	Toggle	1.08
Trigger	"alarmout2on"	set	3	-	main.cgi	-		2.00
Trigger	"alarmout2off"	set	3	-	main.cgi	-		2.00
Trigger	"alarmout2"	set	3	-	main.cgi	Trigger	Toggle	1.08

Other operation

Parameter	Value	Attribute	Access level	Inquiry Parameter	Setting CGI	Setting page	Note	Available version
System	"reboot"	set	4	-	main.cgi	Initializatior		1.08
System	"initialize"	set	4	-	main.cgi	Initializatior		1.08

NOTE : The supplementary about "SNC-RZ30 command list" is described below.

*1 DefFrameRate value list

NTSC	1	2	3	4	5	6	8	10	15	20	25	0
PAL	1	2	3	4	5	6	8	12	16	20	0	

(fps)

0 : fastest

*2 ImageSize value list

	0	1	2	3	4	5	6	7	8
NTSC	763x480(auto)	763x480(frame)	763x480(field)	640x480(auto)	640x480(frame)	640x480(field)	320x240	160x120	option
PAL	736x544(auto)	736x544(frame)	736x544(field)	640x480(auto)	640x480(frame)	640x480(field)	320x240	160x120	option

*3 ImageSizeOption value (camera.cgi?imagesizeoption=<horizontal pixel>,<mode>)
This setting is effective when the ImageSize value is set to "8" (option).
mode : 0 (Auto), 1(Frame), 2(Field)
horizontal pixel : See the table below

Horizontal pixel	Vertical pixel
640	480
608	456
576	432
544	408
512	384
480	360
448	336
416	312
384	288
352	264
320	240
288	216
256	192
224	168
192	144
160	120

--> * This setting is not allowed in the SNC-RZ30N.

*4 SerBaudRate value list

Shutter speed (sec)

0 : 1	11 : 1/250
1 : 1/2	12 : 1/350
2 : 1/4	13 : 1/500
3 : 1/8	14 : 1/725
4 : 1/15	15 : 1/1000
5 : 1/30	16 : 1/1500
6 : 1/60	17 : 1/2000
7 : 1/90	18 : 1/3000
8 : 1/100	19 : 1/4000
9 : 1/125	20 : 1/6000
10 : 1/180	21 : 1/10000

Iris (F number)

17 : 1.6	8 : 8
16 : 2	7 : 9.6
15 : 2.4	6 : 11
14 : 2.8	5 : 14
13 : 3.4	4 : 16
12 : 4	3 : 19
11 : 4.8	2 : 22
10 : 5.6	1 : 28
9 : 6.8	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 : -1.75	8 : +0.25
1 : -1.5	9 : +0.5
2 : -1.25	10 : +0.75
3 : -1	11 : +1
4 : -0.75	12 : +1.25
5 : -0.5	13 : +1.5

*5 Details of wireless card country code (WlsCountry)

Value	Region
0	North America
1	ETSI (Europe)
2	Japan
3	Spain
4	France
5	Belgium (DS only)
6	Israel (DS only)
7	Canada-Outdoor (DS only)
8	Australia (DS only)
9	Japan Wideband (DS only)

*6 SerBaudRate value list

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

*7 Schedule parameter detail

<syntax>

```
xxSchedule=[[ScheduleNo.][,[ScheduleNo.],...]]
```

<example>

In the case of setting Schedule No.1 and Schdule No.6 to On.

```
xxSchedule=1,6
```

In the case of setting all the Schedules to On

```
xxSchedule=1,2,3,4,5,6
```

*8 AlmIn parameter detail

<syntax>

```
xxAlmIn=[External sensor 1][External sensor 2][External sensor 3][ActivityDetection]
```

<example>

In the case of setting Sensor2 to On

```
xxAlmIn=0100
```

*9 SchxTime parameter detail

<syntax>

```
SchxTime=[StsrtTime],[EndTime]
```

<example>

In the case of setting the start time to 9:00 and the end time to 17:30

```
SchxTime=0900,1730
```

*10 SchxWeek parameter detail

<syntax>

```
SchxWeek=[Mon],[Tue],[Wed],[Thu],[Fri],[Sat],[Sun]
```

<example>

In the case of setting the schedules of the weekday to On

```
SchxWeek=1,1,1,1,1,0,0
```

Camera parameter setting command list for SNC-RZ30

Command set	Command	Command packet	Comments
CAM_Initialize	Lens	81 01 04 19 01 FF	To initialize the lens
	Comp Scan	81 01 04 19 02 FF	
CAM_WB	Auto	81 01 04 35 00 FF	Normal auto white balance
	Indoor	81 01 04 35 01 FF	
	Outdoor	81 01 04 35 02 FF	
	One Push WB	81 01 04 35 03 FF	
	ATW	81 01 04 35 04 FF	Auto tracing white balance mode
	Manual	81 01 04 35 05 FF	
	One Push Trigger	81 01 04 10 05 FF	
CAM_RGain	Reset	81 01 04 03 00 FF	
	Up	81 01 04 03 02 FF	
	Down	81 01 04 03 03 FF	
	Direct	81 01 04 43 00 00 0p 0q FF	pq: R Gain 00 - FF
CAM_BGain	Reset	81 01 04 04 00 FF	
	Up	81 01 04 04 02 FF	
	Down	81 01 04 04 03 FF	
	Direct	81 01 04 44 00 00 0p 0q FF	pq: B Gain 00 - FF
CAM_AE	Full Auto	81 01 04 39 00 FF	
	Manual	81 01 04 39 03 FF	
	Shutter Priority	81 01 04 39 0A FF	
	Iris Priority	81 01 04 39 0B FF	
	Bright	81 01 04 39 0D FF	
CAM_SlowShutter	Auto	81 01 04 5A 02 FF	Auto slow shutter On/Off
	Manual	81 01 04 5A 03 FF	
CAM_Shutter	Reset	81 01 04 0A 00 FF	
	Up	81 01 04 0A 02 FF	
	Down	81 01 04 0A 03 FF	
	Direct	81 01 04 4A 00 00 0p 0q FF	pq: Shutter position
CAM_Iris	Reset	81 01 04 0B 00 FF	
	Up	81 01 04 0B 02 FF	
	Down	81 01 04 0B 03 FF	
	DIrect	81 01 04 4B 00 00 0p 0q FF	pq: Iris position
CAM_Gain	Reset	81 01 04 0C 00 FF	
	Up	81 01 04 0C 02 FF	
	Down	81 01 04 0C 03 FF	
	Direct	81 01 04 4C 00 00 0p 0q FF	pq: Gain position
CAM_Bright	Reset	81 01 04 0D 00 FF	
	Up	81 01 04 0D 02 FF	
	Down	81 01 04 0D 03 FF	
	Direct	81 01 04 4D 00 00 0p 0q FF	pq: Bright position
CAM_ExpComp	On	81 01 04 3E 02 FF	Exposure compensation
	Off	81 01 04 3E 03 FF	
	Reset	81 01 04 0E 00 FF	
	Up	81 01 04 0E 02 FF	
	Down	81 01 04 0E 03 FF	
	Direct	81 01 04 4E 00 00 0p 0q FF	pq: ExpComp position
CAM_BackLight	On	81 01 04 33 02 FF	Back light compensation
	Off	81 01 04 33 03 FF	
CAM_ApotAE	On	81 01 04 33 02 FF	
	Off	81 01 04 33 03 FF	
	Position	81 01 04 29 0p 0q 0r 0s FF	pq: X(0 - F), rs: Y(0 - F)
CAM_Aperture	Reset	81 01 04 02 00 FF	
	Up	81 01 04 02 02 FF	
	Down	81 01 04 02 03 FF	
	Direct	81 01 04 42 00 00 0p 0q FF	pq: Aperture gain
CAM_LR_Reverse	On	81 01 04 61 02 FF	
	Off	81 01 04 61 03 FF	
CAM_Freeze	On	81 01 04 62 02 FF	
	Off	81 01 04 62 03 FF	

CAM_PictureEffect	Off NegArt Monochrome	81 01 04 63 02 FF 81 01 04 63 03 FF 81 01 04 63 04 FF	
CAM_ICR	On Off	81 01 04 01 02 FF 81 01 04 01 03 FF	
CAM_AutoICR	On Off	81 01 04 51 02 FF 81 01 04 51 03 FF	
CAM_Stabilizer	On Off	81 01 04 34 02 FF 81 01 04 34 03 FF	
CAM_CUSTOM	Reset Set	81 01 04 3F 00 7F FF 81 01 04 3F 01 7F FF	To save the current setting about the camera
CAM_IDWrite		81 01 04 22 0p 0q 0r 0s FF	pqrs : camera ID (0000 - FFFF)

PTZF command list for SNC-RZ30

Command set	Command	Command packet	Comments
CAM_Power	On	81 01 04 00 02 FF	To start the Pan/Tilter
	OFF	81 01 04 00 03 FF	To halt the Pan/Tilter
Auto Pan-Tilt Speed	On	81 01 06 24 02 FF	"Auto Pan-Tilt Speed" status
	Off	81 01 06 24 03 FF	
Pan-Tilt Drive	Up	81 01 06 01 vv ww 03 02 FF	vv: Pan speed (00 - 18) ww: Tilt speed (00 - 14) *Speed parameter is effective when the Auto Pan-Tilt Speed is set to Off.
	Down	81 01 06 01 vv ww 03 01 FF	
	Left	81 01 06 01 vv ww 02 03 FF	
	Right	81 01 06 01 vv ww 01 03 FF	
	UpLeft	81 01 06 01 vv ww 02 02 FF	
	UpRight	81 01 06 01 vv ww 01 02 FF	
	DownLeft	81 01 06 01 vv ww 02 01 FF	
	DownRight	81 01 06 01 vv ww 01 01 FF	
	Stop	81 01 06 01 vv ww 03 03 FF	
	AbsolutoPosition	81 01 06 02 vv ww 0y 0y 0y 0y 0z 0z 0z 0z FF	yyyy: Pan position (F670 - 0990) zzzz: Tilt position (FCC4 - 033C)
	RelativePosition	81 01 06 03 vv ww 0y 0y 0y 0y 0z 0z 0z 0z FF	yyyy: Pan position (ECE0 - 1320) zzzz: Tilt position (F988 - 0678)
	Home	81 01 06 04 FF	
Pan-Tilt Limit Set	LimitSet	81 01 06 07 00 0w 0y 0y 0y 0y 0z 0z 0z 0z FF	w: 1(UpRight) 0(DownLeft) yyyy: Pan position (F670 - 0990) zzzz: Tilt position (FCC4 - 033C)
	LimitClear	81 01 06 07 01 0w 07 0F 0F 0F 07 0F 0F 0F FF	
Preset_Position_ with_speed	Recall	81 01 06 21 vv ww 02 0p FF	vv: Pan Speed (05 - 18) ww: Tilt Speed (05 - 14) p: Preset position Number (0 - F) * Speed parameter is always effective regardless of "Auto Pan-Tilt Speed" status.
CAM_Memory (Preset_Position)	Reset	81 01 04 3F 00 0p FF	p : memory number (0 - F)
	Set	81 01 04 3F 01 0p FF	
	Recall	81 01 04 3F 02 0p FF	
CAM_Zoom	Stop	81 01 04 07 00 FF	
	Tele(Standard)	81 01 04 07 02 FF	
	Wide(Standard)	81 01 04 07 03 FF	
	Tele(Variable)	81 01 04 07 2p FF	p : speed 0 (low) - 7(fast)
	Wide(Variable)	81 01 04 07 3p FF	
	Direct	81 01 04 47 0p 0q 0r 0s FF	pqrs: Zoom position optical: 0000(wide) - 4000(tele) digital : 4000(x1) - 7700(x25) Ntsc 4000(x1) - 77C0(x25) Pal
CAM_DZoom	On	81 01 04 06 02 FF	
	OFF	81 01 04 06 03 FF	
	Combine Mode	81 01 04 36 00 FF	
	Separate Mode	81 01 04 36 01 FF	
	Stop	81 01 04 06 00 FF	
	Tele(Variable)	81 01 04 06 2p FF	p : speed 0 (low) - 7(fast)
	Wide(Variable)	81 01 04 06 3p FF	
	x1 / Max	81 01 04 06 10 FF	x1/MAX D-Zoom switching
	Direct	81 01 04 06 00 00 0p 0q FF	pq: Zoom position 00 - DC(220)

CAM_Focus	Stop	81 01 04 08 00 FF	
	Far(Standard)	81 01 04 08 02 FF	
	Near(Standard)	81 01 04 08 02 FF	
	Far(Variable)	81 01 04 08 2p FF	
	Near(Variable)	81 01 04 08 3p FF	
	Direct	81 01 04 48 0p 0q 0r 0s FF	pqrs: Focus position 1000(Far) - C000(Near)
	Auto Focus	81 01 04 38 02 FF	
	Manual Focus	81 01 04 38 03 FF	
	Auto/Manual	81 01 04 38 10 FF	
	One Push Trigger	81 01 04 18 10 FF	
	Infinity	81 01 04 18 02 FF	
	Near Limit	81 01 04 28 0p 0q 0r 0s FF	pqrs: Focus Near Limit Position 1000(Far) - C000(Near)
AF Sensitivity	Normal	81 01 04 58 02 FF	AF sensitivity setting
	Low	81 01 04 58 03 FF	
CAM_AFMode	Normal AF	81 01 04 57 00 FF	
	Interval AF	81 01 04 57 01 FF	
	Zoom Trigger AF	81 01 04 57 02 FF	
	Active/Interval Time	81 01 04 27 0p 0q 0r 0s FF	pq: Operation period rs: Interval

Camera parameter and PTZF inquiry command list for SNC-RZ30

Inquiry command	Command packet	Inquiry packet	Comments
CAM_ZoomPosInq	81 09 04 47 FF	90 50 0p 0q 0r 0s FF	pqrs : Zoom position
CAM_DZoomModeInq	81 09 04 06 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_DZoomC/SModeInq	81 09 04 36 FF	90 50 00 FF 90 50 01 FF	Combine mode Separate mode
CAM_DZoomPosInq	81 09 04 46 FF	90 50 0000 0p 0q FF	pq: D-Zoom position
CAM_FocusModeInq	81 09 04 38 FF	90 50 02 FF 90 50 03 FF	Auto Focus Manual focus
CAM_FocusPosInq	81 09 04 48 FF	90 50 0p 0q 0r 0s FF	pqrs: Focus position
CAM_FocusNearLimitInq	81 09 04 28 FF	90 50 0p 0q 0r 0s FF	pqrs: FocusNearLimitPosition
CAM_AFSensitivityInq	81 09 04 58 FF	90 50 02 FF 90 50 03 FF	AF Sensitivity Normal AF Sensitivity Low
CAM_AFModeInq	81 09 04 57 FF	90 50 00 FF 90 50 01 FF 90 50 02 FF	Normal AF Interval AF Zoom Trigger AF
CAM_AFTImeSettingInq	81 09 04 27 FF	90 50 0p 0q 0r 0s FF	pq: Operation period rs: Interval
CAM_WBModeInq	81 09 04 35 FF	90 50 00 FF 90 50 01 FF 90 50 02 FF 90 50 03 FF 90 50 04 FF 90 50 05 FF	Auto Indoor outdoor One push WB ATW Manual
CAM_RGainInq	81 09 04 43 FF	90 50 00 00 0p 0q FF	pq: R Gain
CAM_BGainInq	81 09 04 44 FF	90 50 00 00 0p 0q FF	pq: B Gain
CAM_AEModeInq	81 09 04 39 FF	90 50 00 FF 90 50 03 FF 90 50 0A FF 90 50 0B FF 90 50 0D FF	Full auto Manual Shutter priority Iris priority Bright
CAM_SlowShutterModeInq	81 09 04 5A FF	90 50 02 FF 90 50 03 FF	Auto Manual
CAM_ShutterPosInq	81 09 04 4A FF	90 50 00 00 0p 0q FF	pq: Shutter position
CAM_IrisPosInq	81 09 04 4B FF	90 50 00 00 0p 0q FF	pq: Iris position
CAM_GainPosInq	81 09 04 4C FF	90 50 00 00 0p 0q FF	pq: Gain position
CAM_BrightPosInq	81 09 04 4D FF	90 50 00 00 0p 0q FF	pq: Bright position
CAM_ExpCompModeInq	81 09 04 3E FF	90 50 02 FF 90 50 03 FF	On Off
CAM_ExpCompPosInq	81 09 04 4E FF	90 50 00 00 0p 0q FF	pq: ExpComp position
CAM_BackLightModeInq	81 09 04 33 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_SpotAEModeInq	81 09 04 59 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_SpotAEPosInq	81 09 04 29 FF	90 50 0p 0q 0r 0s FF	pq: X position, rs: Y position
CAM_ApertureInq	81 09 04 42 FF	90 50 00 00 0p 0q FF	pq: Aperture Gain
CAM_LR_ReverseModeInq	81 09 04 61 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_FreezeModeInq	81 09 04 62 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_PictureEffectModeInq	81 09 04 63 FF	90 50 00 FF 90 50 02 FF 90 50 04 FF	Off Neg-Art Monochrome
CAM_ICRModeInq	81 09 04 01 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_AutoICRModeInq	81 09 04 51 FF	90 50 02 FF 90 50 03 FF	On Off

CAM_StabilizerModeInq	81 09 04 34 FF	90 50 02 FF 90 50 03 FF	On Off
CAM_MemoryInq	81 09 04 3F FF	90 50 pp FF	pp: the last number called
CAM_IDInq	81 09 04 22 FF	90 50 0p 0q 0r 0s FF	pqrs: camera ID
CAM_VersionInq	81 09 00 02 FF	90 50 00 20 mn pq rs tu vw FF	mnpq: Model code(04xx) rstu: ROM version vw:: Socket number
Auto Pan-Tilt Speed Inq	81 09 06 24 FF	90 50 02 FF 90 50 03 FF	On Off
Pan-Tilt Mode Inq	81 09 06 10 FF	90 50 pq rs FF	pqrs : mode status
Pan-Tilt MaxSpeedInq	81 09 06 11 FF	90 50 ww zz FF	ww: Pan max speed zz : Tilt max speed
Pan-Tilt PosInq	81 09 06 12 FF	90 50 0w 0w 0w 0w 0z 0z 0z 0z FF	wwww: Pan position zzzz : Tilt position
Motor software version Inq	81 09 06 01 FF	90 50 0z 0z 0z FF	z.zz (Software version)

Note: The supplementary about "visca" parameter is described below.

Exposure parameters (1/2)

		NTSC	PAL
Shutter speed	15	10000	10000
	14	6000	6000
	13	4000	3500
	12	3000	2500
	11	2000	1750
	10	1500	1250
	0F	1000	1000
	0E	725	600
	0D	500	425
	0C	350	300
	0B	250	215
	0A	180	150
	09	125	120
	08	100	100
	07	90	75
	06	60	50
	05	30	25
	04	15	12
	03	8	6
	02	4	3
	01	2	2
	00	1	1
Iris	11	F1.6	
	10	F2	
	0F	F2.4	
	0E	F2.8	
	0D	F3.4	
	0C	F4	
	0B	F4.8	
	0A	F5.6	
	09	F6.8	
	08	F8	
	07	F9.6	
	06	F11	
	05	F14	
	04	F16	
	03	F19	
	02	F22	
	01	F28	
	00	CLOSE	

Gain	0F	28 dB
	0E	26 dB
	0D	24 dB
	0C	22 dB
	0B	20 dB
	0A	18 dB
	09	16 dB
	08	14 dB
	07	12 dB
	06	10 dB
	05	8 dB
	04	6 dB
	03	4 dB
	02	+2 dB
	01	0
	00	-3 dB

Exposure parameter (2/2)

		Iris	Gain
Bright	1F	F1.6	28 dB
	1E	F1.6	26 dB
	1D	F1.6	24 dB
	1C	F1.6	22 dB
	1B	F1.6	20 dB
	1A	F1.6	18 dB
	19	F1.6	16 dB
	18	F1.6	14 dB
	17	F1.6	12 dB
	16	F1.6	10 dB
	15	F1.6	8 dB
	14	F1.6	6 dB
	13	F1.6	4 dB
	12	F1.6	2 dB
	11	F1.6	0
	10	F2	0
	0F	F2.4	0
	0E	F2.8	0
	0D	F3.4	0
	0C	F4	0
	0B	F4.8	0
	0A	F5.6	0
	09	F6.8	0
	08	F8	0
	07	F9.6	0
	06	F11	0
	05	F14	0
	04	F16	0
	03	F19	0
	02	F22	0
	01	F28	0
	00	CLOSE	0
Exposure compensation	0E	7	10.5 dB
	0D	6	9 dB
	0C	5	7.5 dB
	0B	4	6 dB
	0A	3	4.5 dB
	09	2	3 dB
	08	1	1.5 dB
	07	0	0 dB
	06	-1	-1.5 dB
	05	-2	-3 dB
	04	-3	-4.5 dB
	03	-4	-6 dB
	02	-5	-7.5 dB
	01	-6	-9 dB
	00	-7	-10.5 dB

Zoom ratio and position (reference)

Zoom ratio x 25 Lens	Optical zoom position data
x1	0000
x2	1781
x3	213B
x4	2752
x6	2F03
x7	315D
x8	3364
x9	34FF
x10	362C
x11	373D
x12	386A
x13	3929
x14	3A20
x15	3AFA
x16	3BBA
x17	3C5E
x18	3CCB
x19	3D70
x20	3DF8
x21	3E66
x22	3ED3
x23	3F25
x24	3F93
x25	4000

Digital zoom ratio	Digital zoom position data	Digital zoom position data
x1	4000	4000
x2	5E00	5E80
x3	6800	6880
x4	6D00	6DC0
x5	7000	70C0
x6	7200	72C0
x7	7380	7440
x8	7480	7540
x9	7580	7600
x10	7600	76C0
x11	76C0	7740
x12	7700	77C0

Lens control

Zoom position	0000 - 4000 - 7700(77C0) Wide Optical max. Digital max.	
Focus position	1000 - C000 Far Near	
Focus Near Limit	1000: Over Inf 2000: 7.2m 3000: 3.3m 4000: 2.0m 5000: 1.3m 6000: 1m 7000: 80cm 8000: 40cm 9000: 20cm A000: 11cm B000: 6cm C000: 3.5cm	* reference value

Other

R, B Gain	00 - FF
Aperture	00 - 0F

Version history

Version	Date	Comment
1	2nd of August, 2002	First issue
1.01	9th of September, 2002	Several modification about the description of the CGI commands and visca parameters
1.10	8th of January, 2003	Complied with the software version 1.10
2.0	11th of April, 2003	Complied with the software version 2.0