URL COMMAND LIST

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Contents

URL COMMAND LIST

Get RTSP H.264 Stream

Command Name	Get RTSP H.264 Stream
Command URL	rtsp://<Camera IP>:<HTTP port>/live/0/h264.sdp
	rtsp://<Camera IP>:<HTTP port>/live/1/h264.sdp
	rtsp://<Camera IP>:<HTTP port>/live/2/h264.sdp
Parameters	Null
Description	Get RTSP H.264 stream Can use RealPlayer to play the live stream. Can use QuickTime player to play the live stream. Can use VLC player to play the live stream.

Get RTSP MPEG4 Stream

Command Name	Get RTSP MPEG4 Stream
Command URL	rtsp://<Camera IP>:<HTTP port>/live/0/mpeg4.sdp
	rtsp://<Camera IP>:<HTTP port>/live/1/mpeg4.sdp
	rtsp://<Camera IP>:<HTTP port>/live/2/mpeg4.sdp
Parameters	Null
Description	Get RTSP MPEG4 stream
	Can use RealPlayer to play the live stream.
	Can use QuickTime player to play the live stream.
	Can use VLC player to play the live stream.
Response	

Get RTSP MJPEG Stream

Command Name	**Get RTSP MJPEG Stream**
Command URL	rtsp://<Camera IP>:<HTTP port>/live/0/mjpeg.sdp rtsp://<Camera IP>:<HTTP port>/live/1/mjpeg.sdp rtsp://<Camera IP>:<HTTP port>/live/2/mjpeg.sdp
Parameters	Null
Description	Get RTSP MJPEG stream Can use RealPlayer to play the live stream. Can use QuickTime player to play the live stream. Can use VLC player to play the live stream.
Response	

Get RTSP Audio Stream

Command Name	Get RTSP Audio Stream
Command URL	rtsp://<Camera IP>:<HTTP port>/live/0/audio.sdp
	rtsp://<Camera IP>:<HTTP port>/live/1/audio.sdp
	rtsp://<Camera IP>:<HTTP port>/live/2/audio.sdp
Parameters	Null
Description	Get RTSP audio stream
	Can use RealPlayer to play the live stream.
	Can use QuickTime player to play the live stream.
	Can use VLC player to play the live stream.
Response	

Get HTTP MJPEG Stream

Command Name	Get HTTP MJPEG Stream
Command URL	http://<Camera IP>:<HTTP port>/live/0/mjpeg.jpg http://<Camera IP>:<HTTP port>/live/1/mjpeg.jpg http://<Camera IP>:<HTTP port>/live/2/mjpeg.jpg
Parameters	Null
Description	Get HTTP motion JPEG stream Can use VLC player to play the live stream, Can use Firefox, Safari etc. browser to play the live stream.
Response	

Get HTTP Snapshoot Image

Command Name	Get HTTP Snapshoot Image
Command URL	http://\<Camera IP\>:\<HTTP port\>/live/0/jpeg.jpg
	http://\<Camera IP\>:\<HTTP port\>/live/1/jpeg.jpg
	http://\<Camera IP\>:\<HTTP port\>/live/2/jpeg.jpg
Parameters	Null
Description	Snapshoot current image from Camera stream, users can select 3 type stream. This file is different every time.
Response	A file named jpeg.jpg

Get HTTP Alarm Stream

Command Name	Get HTTP Alarm Stream
Command URL	http://<Camera IP>:<HTTP port>/alarm.dat
Parameters	Null
Description	Get HTTP alarm event and motion detection stream
Response	

Get Video Parameters

Command Name	Get Video Parameters
Command URL	http://<Camera IP>/form/getVideo
Parameters	Null
Description	Get video parameters

Response	**000 Success**
	100 Failed
	
	LIGHTFREQ=<value>
	Frequency of light, valid value is:
	  50 - 50 Hz
	  60 - 60 Hz
	HFLIP=<value>
	Image mirror (horizontal flip), valid value is:
	  0 – Off
	  1 – On
	VFLIP=<value>
	Image vertical flip, valid value is:
	  0 – Off
	  1 – On
	SENSORSIZE =<value>
	Image sensor size, valid value is:
	  NTSC – 720x480
	  PAL – 720x576
	  VGA – 640x480
	  HD720P – 1280x720
	  HD1080P – 1920x1080

Set Video Parameters

Command Name	Set Video Parameters
Command URL	http://<Camera IP>/form/setVideo?<Param1>&<Param2>& …
Parameters	**LIGHTFREQ=<value>** Frequency of light, valid value is: 50 - 50 Hz 60 - 60 Hz **HFLIP=<value>** Image mirror (horizontal flip), valid value is: 0 – Off 1 – On **VFLIP=<value>** Image vertical flip, valid value is: 0 – Off 1 – On
Description	Set video parameters
Response	**000 Success** **100 Failed**

Get Microphone Parameters

Command Name	Get Microphone Parameters
Command URL	http://<Camera IP>/form/getMicrophone
Parameters	Null
Description	Get Microphone parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Open or close the microphone, valid value is: 0 – Disable 1 – Enable **VOLUME=<value>** Microphone volume, valid value is: 0~100

Set Microphone Parameters

Command Name	Set Microphone Parameters
Command URL	http://<Camera IP>/form/setMicrophone?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Open or close the microphone, valid value is:
	  0 – Disable
	  1 – Enable
	VOLUME=<value>
	Microphone volume, valid value is:
	  0~100

Description	Set microphone parameters
Response	**000 Success** **100 Failed**

Get Speaker Parameters

Command Name	Get Speaker Parameters
Command URL	http://<Camera IP>/form/getSpeaker
Parameters	Null
Description	Get speaker parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Open or close the speaker, valid value is: 0 – Disable 1 – Enable **VOLUME=<value>** Speaker volume, valid value is: 0~100

Set Speaker Parameters

Command Name	Set Speaker Parameters
Command URL	http://<Camera IP>/form/setSpeaker?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Open or close the speaker, valid value is: 　0 – Disable 　1 – Enable **VOLUME=<value>** Speaker out volume, valid value is: 　0~100
Description	Set speaker parameters
Response	**000 Success** **100 Failed**

Get Privacy Mode

Command Name	Get Privacy Mode
Command URL	http://<Camera IP>/form/getPrivacy
Parameters	Null
Description	Get privacy mode

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or disable privacy mode, valid value is:
	  0 – Disable privacy mode
	  1 – Enable privacy mode

Set Privacy Mode

Command Name	Set Privacy Mode
Command URL	http://<Camera IP>/form/setPrivacy?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable or disable privacy mode, valid value is:
	  0 – Disable privacy mode
	  1 – Enable privacy mode

Description	Set privacy mode
Response	**000 Success** **100 Failed**

Get LED Parameters

Command Name	Get LED Parameters
Command URL	http://<Camera IP>/form/getLed
Parameters	Null
Description	Get LED parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Open or close LED light, valid value is: 0 – Close LED light 1 – Open LED light

Set LED Parameters

Command Name	Set LED Parameters
Command URL	http://<Camera IP>/form/setLed?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	 Open or close LED light, valid value is:
	   0 – Close LED light
	   1 – Open LED light

Description	Set LED parameters
Response	**000 Success** **100 Failed**

Get Stream Parameters

Command Name	Get Stream Parameters
Command URL	http://<Camera IP>/form/getStream

Parameters	**TYPE=<value>**
	Stream type, valid value is:
	  0 – Primary stream
	  1 – Secondary stream
	  2 – Mobile stream

Description	Get stream parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Stream can been visited or not, valid value is:
	  0 - Disable
	  1 - Enable
	SIZE=<value>
	Value is the size of video, valid value is:
	For VGA version:
	  FSIZE – Full size (640x480)
	  HSIZE – Half size (480x360)
	  QSIZE – Quarter size (320x240)
	  QQSIZE –Quarter and quarter size (160x120)
	  QCIF –QCIF size (176x144)
	For HD720P version:
	  HDSIZE – HD size (1280x720)
	  FSIZE – Full size (768x432)
	  QSIZE – Quarter size (512x288)
	  QHSIZE – Quarter and half size (480x270)
	  QQSIZE –Quarter and quarter size (256x144)
	  QCIF –QCIF size (176x144)
	For HD1080P version:
	  HHDSIZE – High HD size (1920x1080)
	  HDSIZE – HD size (1280x720)
	  FSIZE – Full size (768x432)
	  QSIZE – Quarter size (512x288)
	  QHSIZE – Quarter and half size (480x270)
	  QQSIZE –Quarter and quarter size (256x144)

QCIF –QCIF size (176x144)

FRAMERATE=<value>

Max frame rate, valid value is:

30 – 30 fps

25 – 25 fps

20 – 20 fps

15 – 15 fps

10 – 10 fps

8 – 8 fps

6 – 6 fps

5 – 5 fps

4 – 4 fps

3 – 3 fps

2 – 2 fps

1 – 1 fps

H264BITRATE=<value>

H264 bitrate of bandwidth, valid value is:

4096 - 4096 kbps

2048 - 2048 kbps

1536 - 1536 kbsp

1024 - 1024 kbsp

768 - 768 kbps

512 - 768 kbsp

256 - 256 kbps

128 - 128 kbsp

64 - 64 kbsp

MPEG4BITRATE=<value>

MPEG4 bitrate of bandwidth, valid value is:

4096 - 4096 kbps

2048 - 2048 kbps

1536 - 1536 kbsp

1024 - 1024 kbsp

768 - 768 kbps

512 - 768 kbsp

256 - 256 kbps

128 - 128 kbsp

64 - 64 kbsp

MJPEGQUALITY=<value>

MJPEG video quality, valid value is:

20 – 100

JPEGQUALITY=<value>

Snapshot image quality, valid value is:

20 – 100

AUDIOCODEC=<value>

	Audio codec, valid value is:
	NONE - Disable
	AACLC - AAC-LC
	AUDIOBITRATE=\<value\>
	Audio bitrate, valid value is:
	40000 - 40kbps
	32000 - 32kbps
	24000 - 24kbps
	16000 - 16kbps
	AUTH=\<value\>
	Stream need or not authentication, valid value is:
	0 – Disable
	1 – Enable

Set Stream Parameters

Command Name	Set Stream Parameters
Command URL	http://<Camera IP>/form/setStream?<Param1>&<Param2>& …

Parameters	**TYPE=<value>**
	  0 – Primary stream
	  1 – Secondary stream
	  2 – Mobile stream
	ENABLE=<value>
	Stream can been visited or not,
	(The value must be 1),
	valid value is:
	  0 - Disable
	  1 - Enable
	SIZE=<value>
	Value is the size of Video, valid value is:
	For VGA version:
	  FSIZE – Full size (640x480)
	  HSIZE – Half size (480x360)
	  QSIZE – Quarter size (320x240)
	  QQSIZE – Quarter and quarter size (160x120)
	  QCIF – QCIF size (176x144)
	For HD720P version:
	  HDSIZE – HD size (1280x720)
	  FSIZE – Full size (768x432)
	  HSIZE – Half size (640x360)
	  QSIZE – Quarter size (512x288)
	  QHSIZE – Quarter and half size (480x270)
	  QQSIZE – Quarter and quarter size (256x144)
	  QCIF – QCIF size (176x144)
	For HD1080P version:
	  HHDSIZE – High HD size (1920x1080)
	  HDSIZE – HD size (1280x720)
	  FSIZE – Full size (768x432)
	  HSIZE – Half size (640x360)
	  QSIZE – Quarter size (512x288)
	  QHSIZE – Quarter and half size (480x270)
	  QQSIZE – Quarter and quarter size (256x144)
	  QCIF – QCIF size (176x144)
	FRAMERATE=<value>

Max frame rate, valid value is:

  30 – 30 fps

  25 – 25 fps

  20 – 20 fps

  15 – 15 fps

  10 – 10 fps

  8 – 8 fps

  6 – 6 fps

  5 – 5 fps

  4 – 4 fps

  3 – 3 fps

  2 – 2 fps

  1 – 1 fps

H264BITRATE=<value>

H264 bitrate of bandwidth, valid value is:

  4096 - 4096 kbps

  2048 - 2048 kbps

  1536 - 1536 kbsp

  1024 - 1024 kbsp

  768 - 768 kbps

  512 - 768 kbsp

  256 - 256 kbps

  128 - 128 kbsp

  64 - 64 kbsp

MPEG4BITRATE=<value>

MPEG4 bitrate of bandwidth, valid value is:

  4096 - 4096 kbps

  2048 - 2048 kbps

  1536 - 1536 kbsp

  1024 - 1024 kbsp

  768 - 768 kbps

  512 - 768 kbsp

  256 - 256 kbps

  128 - 128 kbsp

  64 - 64 kbsp

MJPEGQUALITY=<value>

MJPEG video quality, valid value is:

  20 – 100

JPEGQUALITY=<value>

Snapshot image quality, valid value is:

  20 – 100

AUDIOCODEC=<value>

Audio codec, valid value is:

  NONE - Disable

	AACLC - AAC-LC
	AUDIOBITRATE=\<value\>
	Audio bitrate, valid value is:
	40000 - 40kbps
	32000 - 32kbps
	24000 - 24kbps
	16000 - 16kbps
	AUTH=\<value\>
	Stream need or not authentication, valid value is:
	0 - Disable
	1 – Enable
Description	Set stream parameters
Response	**000 Success**
	100 Failed

Get OSD Parameters

Command Name	Get OSD Parameters
Command URL	http://<Camera IP>/form/getOsd
Parameters	Null
Description	Get OSD parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or disable OSD function, valid value is:
	  0 – Disable OSD
	  1 – Enable OSD
	ENABLETIME=<value>
	Display date and time or not, valid value is:
	  0 – Disable display date and time
	  1 – Enable display date and time
	ENABLESYSTEMNAME=<value>
	Display system name or not, valid value is:
	  0 – Disable display system name
	  1 – Enable display system name
	ENABLESTRING=<value>
	Display appointed words or not, valid value is:
	  0 – Disable display appointed words
	  1 – Enable display appointed words
	STRING=<value>
	Appointed words, valid value is:
	  0-24 characters

Set OSD Parameters

Command Name	Set OSD Parameters
Command URL	http://<Camera IP>/form/setOsd?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable OSD function, valid value is: 0 – Disable OSD 1 – Enable OSD **ENABLETIME=<value>** Display date and time or not, valid value is: 0 – Disable display date and time 1 – Enable display date and time **ENABLESYSTEMNAME=<value>** Display system name or not, valid value is: 0 – Disable display system name 1 – Enable display system name **ENABLESTRING=<value>** Display appointed words or not, valid value is: 0 – Disable display appointed words 1 – Enable display appointed words **STRING=<value>** Appointed words, valid value is: 0-24 characters
Description	Set OSD parameters
Response	**000 Success** **100 Failed**

Get Night Vision Parameters

Command Name	Get Night Vision Parameters
Command URL	http://<Camera IP>/form/getNightVision
Parameters	Null
Description	Get night vision parameters

Response	**000 Success**
	100 Failed
	
	IRLED=<value>
	Infrared LED control, valid value is:
	  0 – Off Always Close Infrared LED
	  1 – On Always Open Infrared LED
	  2 – Auto Control infrared LED automatically
	BWMODE=<value>
	Black and white mode control, valid value is:
	  0 – Off Always don't use black and white mode
	  1 – On Always use black and white mode
	  2 – Auto Control black and white mode automatically
	MOONLIGHT=<value>
	Moon light mode control, valid value is:
	  0 – Off Always don't use moon light mode
	  1 – On Always use moon light mode
	  2 – Auto Control moon light mode automatically
	IRCUT=<value>
	IR-cut control, valid value is:
	  0 – Off Always set to color filter
	  1 – On Always set to IR filter
	  2 – Auto Control IR-cut automatic

URL COMMAND LIST

Set Night Vision Parameters

Command Name	Set Night Vision Parameters
Command URL	http://<Camera IP>/form/setNightVision?<Param1>&<Param2>& …

Parameters	**IRLED=<value>**
	Infrared LED control, valid value is:
	  0 – Off Always cose Infrared LED
	  1 – On Always open Infrared LED
	  2 – Auto Control infrared LED automatically
	BWMODE=<value>
	Black and White mode control, valid value is:
	  0 – Off Always don't use black and white mode
	  1 – On Always use black and white mode
	  2 – Auto Control black and white mode automatically
	MOONLIGHT=<value>
	Moon light mode control, valid value is:
	  0 – Off Always don't use moon light mode
	  1 – On Always use moon light mode
	  2 – Auto Control moon light mode automatically
	IRCUT=<value>
	IR-cut Control, valid value is:
	  0 – Off Always set to color filter
	  1 – On Always set to IR filter
	  2 – Auto Control IR-cut automatic

Description	Set night vision parameters
Response	**000 Success** **100 Failed**

Get WiFi Parameters

Command Name	Get WiFi Parameters
Command URL	http://<Camera IP>/form/getWlan
Parameters	Null
Description	Get WiFi parameters
Response	**000 Success**
	100 Failed
	ENAB LE=<value>
	Enable/Disable WiFi function, valid value is:
	0 – Disable Disabled WiFi function
	1 – Enable Enabled WiFi function
	SSID=<value>
	SSID of WiFi, valid value is:
	1~32 character
	MODE=<value>
	WiFi type, valid value is:
	ADHOC - Adhoc mode
	INFRA – Infrastructure mode
	SECURITY=<value>
	Security type of WiFi, valid value is:
	OFF – Off
	WEP64 – WEP 64bit
	WEP128 – WEP 128bit
	WPA-PSK – WPA-PSK
	WPA2-PSK – WPA2-PSK
	ENCRYPTION=<value>
	Encryption type of WPA KEY, valid value is:
	TKIP – TKIP for WPA/WPA2
	AES – AES for WPA/WPA2
	AUTHTYPE=<value>
	WEP authentication type, valid value is:
	AUTO – Automatically select Open System or Shared Key
	OPEN – Open System
	SHARED – Shared Key
	KEYTYPE=<value>
	WEP Key format, valid value is:
	ASCII – AscII type key

	HEX – Hex type key
	WEPIDX=<value>
	WEP Key index, valid value is:
	1 ~ 4
	WEPKEY=<value>
	WEP Key, valid value is:
	5 character - for WEP64bit ASCII
	10 character - for WEP64bit HEX
	13 character - for WEP128bit ASCII
	26 character - for WEP128bit HEX
	WPAKEY=<value>
	WPA Key, valid value is:
	8~64 character

Set WiFi Parameters

Command Name	Set WiFi Parameters
Command URL	http://<Camera IP>/form/setWlan?<Param1>&<Param2>& …

Parameters	**ENAB LE=<value>**
	Enable/Disable WiFi function, valid value is:
	  0 – Disable Disabled WiFi function
	  1 – Enable Enabled WiFi function
	SSID=<value>
	SSID of WiFi, valid value is:
	  1~32 character
	MODE=<value>
	WiFi type, valid value is:
	  ADHOC - Adhoc mode
	  INFRA – Infrastructure mode
	SECURITY=<value>
	Security type of WiFi, valid value is:
	  OFF – Off
	  WEP64 – WEP 64bit
	  WEP128 – WEP 128bit
	  WPA-PSK – WPA-PSK
	  WPA2-PSK – WPA2-PSK
	ENCRYPTION=<value>
	Encryption type of WPA KEY, valid value is:
	  TKIP – TKIP for WPA/WPA2
	  AES – AES for WPA/WPA2
	AUTHTYPE=<value>
	WEP authentication type, valid value is:
	  AUTO – Automatically select Open System or Shared Key
	  OPEN – Open System
	  SHARED – Shared Key
	KEYTYPE=<value>
	WEP Key format, valid value is:
	  ASCII – AscII type key
	  HEX – Hex type key
	WEPIDX=<value>
	WEP Key index, valid value is:
	  1 ~ 4
	WEPKEY=<value>
	WEP Key, valid value is:

	5 character - for WEP64bit ASCII 10 character - for WEP64bit HEX 13 character - for WEP128bit ASCII 26 character - for WEP128bit HEX **WPAKEY=\<value\>** WPA Key, valid value is: 8~64 character
Description	Set WiFi parameters
Response	**000 Success** **100 Failed**

Get WiFi Status

Command Name	Get WiFi Status
Command URL	http://<Camera IP>/form/getWlanStatus
Parameters	Null
Description	Get WiFi status

Response	**000 Success**
	100 Failed
	
	LINK=\<value\>
	Link Status, valid value is:
	  0 – No connection
	  1 – Connected
	SSID=\<value\>
	Wireless SSID name
	MODE=\<value\>
	Wireless mode, valid value is:
	  ADHOC – Adhoc mode
	  INFRA – Infrastructure mode
	CHANNEL=\<value\>
	Current wireless channel
	FREQ=\<value\>
	Current wireless frequency, valid value is:
	2.4120G
	2.4170G
	2.4220G
	2.4270G
	2.4320G
	2.4370G
	2.4420G
	2.4470G
	2.4520G
	2.4570G
	2.4620G
	2.4670G
	2.4720G
	2.4770G
	SECURITY= \<value\>
	Wireless security mode, valid value is:

	OFF – Off
	WEP64 – WEP 64bit
	WEP128 – WEP 128bit
	WPA-PSK – WPA-PSK
	WPA2-PSK – WPA2-PSK
	IPMODE=\<value\>
	The type of getting IP address, valid value is:
	DYNAMIC – Obtain an IP address automatically(DHCP)
	STATIC – Use static IP address
	IPADDR=\<value\>
	IP address, valid value is: IP address data
	NETMASK=\<value\>
	Subnet mask, valid value is: IP address data
	GATEWAY=\<value\>
	Gateway, valid value is: IP address data or empty
	DNS1=\<value\>
	Primary DNS IP address, valid value is: IP address data or empty
	DNS2=\<value\>
	Secondary DNS IP address, valid value is: IP address data or empty

Wifi Scan

Command Name	Wifi Scan
Command URL	http://<Camera IP>/form/wlanScan
Parameters	Null
Description	Wifi Scan
Response	**000 Success**
	100 Failed

Get Wifi List

Command Name	Get Wifi List
Command URL	http://<Camera IP>/form/getWlanList
Parameters	Null
Description	Get wifi list

Response	**000 Success**
	001 Busy
	100 Failed
	
	NUM=\<value\>
	Number of essid
	ADDRESS0=\<value\>
	Address of essid0
	Protocol0=\<value\>
	Protocol of essid0
	ESSID0=\<value\>
	Name of essid0
	MODE0=\<value\>
	Mode of essid0, valid value is:
	  Ad-Hoc
	  Managed
	QUALITY0=\<value\>
	Signal quality of essid0, valid value is:
	  0 ~ 100
	AUTH0=\<value\>
	Auth mode of essid0, valid value is:
	  OPEN
	  WPAPSK
	  WPA2PSK
	ENCRYPT0=\<value\>
	Encrypt mode of essid0, valid value is:
	  NONE
	  WEP
	  TKIP
	  AES
	  TKIP/AES
	…
	…

Get Ethernet Status

Command Name	**Get Ethernet Status**
Command URL	http://<Camera IP>/form/getEthernetStatus
Parameters	Null
Description	Get ethernet status
Response	**000 Success**
	100 Failed
	LINK=<value>
	Link Status, valid value is:
	0 – No connection
	1 – Connected

Get TCP/IP Parameters

Command Name	**Get TCP/IP Parameters**
Command URL	http://<Camera IP>/form/getTcpip
Parameters	Null
Description	Get TCP/IP parameters

Response	**000 Success**
	 100 Failed
	
	 PROTO=<value>
	 The type of getting IP address, valid value is:
	   DHCP – Obtain an IP address automatically(DHCP)
	   STATIC –Use static IP address
	 IPADDR=<value>
	 IP address, valid value is: IP address data
	 NETMASK=<value>
	 Subnet mask, valid value is: IP address data
	 GATEWAY=<value>
	 Gateway, valid value is: IP address data or empty
	 DNSPROTO=<value>
	 The type of getting DNS Server IP address, valid value is:
	   DYNAMIC – Obtain DNS server address automatically
	   STATIC – Use static DNS server address
	 DNS1=<value>
	 Primary DNS IP address, valid value is: IP address data or empty
	 DNS2=<value>
	 Secondary DNS IP address, valid value is: IP address data or empty

Set TCP/IP Parameters

Command Name	Set TCP/IP Parameters
Command URL	http://<Camera IP>/form/setTcpip?<Param1>&<Param2>& …

Parameters	**PROTO=\<value>**
	The type of getting IP address, valid value is:
	  DHCP – Obtain an IP address automatically(DHCP)
	  STATIC –Use static IP address
	IPADDR=\<value>
	IP address, valid value is: IP address data
	NETMASK=\<value>
	Subnet mask, valid value is: IP address data
	GATEWAY=\<value>
	Gateway, valid value is: IP address data or empty
	DNSPROTO=\<value>
	The type of getting DNS Server IP address, valid value is:
	  DYNAMIC – Obtain DNS Server address automatically
	  STATIC – Use static DNS server address
	DNS1=\<value>
	Primary DNS IP address, valid value is: IP address data or empty
	DNS2=\<value>
	Secondary DNS IP address, valid value is: IP address data or empty

Description	Set TCP/IP parameters
Response	**000 Success** **100 Failed**

Get TCP/IP Status

Command Name	Get TCP/IP Status
Command URL	http://<Camera IP>/form/getTcpipStatus
Parameters	Null
Description	Get TCP/IP status

Response	**000 Success**
	100 Failed
	
	PROTO=<value>
	The type of getting IP address, valid value is:
	  DHCP – Obtain an IP address automatically(DHCP)
	  STATIC – Use static IP address
	IPADDR=<value>
	IP address, valid value is: IP address data
	NETMASK=<value>
	Subnet mask, valid value is: IP address data
	GATEWAY=<value>
	Gateway, valid value is: IP address data or empty
	DNS1=<value>
	Primary DNS IP address, valid value is: IP address data or empty
	DNS2=<value>
	Secondary DNS IP address, valid value is: IP address data or empty

Get HTTP Port

Command Name	**Get HTTP Port**
Command URL	http://<Camera IP>/form/getHttpPort
Parameters	Null
Description	Get HTTP port
Response	**000 Success** **100 Failed** **PORT=<value>** HTTP port number, valid value is: 1~65535

Set HTTP Port

Command Name	Set HTTP Port
Command URL	http://<Camera IP>/form/setHttpPort?<Param1>&<Param2>& …
Parameters	**PORT=<value>** HTTP port number, valid value is: 1~65535
Description	Set HTTP port
Response	**000 Success** **100 Failed**

Get RTP Port Range

Command Name	Get RTP Port range
Command URL	http://<Camera IP>/form/getRtpPort
Parameters	Null
Description	Get RTP port range

Response	**000 Success**
	100 Failed
	
	RTPPORTSTART=<value>
	Min RTP port range, valid value is:
	  1~65535
	RTPPORTEND=<value>
	Max RTP port range, valid value is:
	  1~65535

Set RTP Port Range

Command Name	Set RTP Port Range
Command URL	http://<Camera IP>/form/setRtpPort?<Param1>&<Param2>& …

Parameters	**RTPPORTSTART=<value>**
	Min RTP port range, valid value is:
	  1~65535
	RTPPORTEND=<value>
	Max RTP port range, valid value is:
	  1~65535

Description	Set RTP port range
Response	**000 Success** **100 Failed**

Get PPP Parameters

Command Name	Get PPP Parameters
Command URL	http://<Camera IP>/form/getPpp
Parameters	Null
Description	Get PPP parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or disable PPP function, valid value is:
	  0 – Disable PPP
	  1 – Enable PPP
	NETWORKMODE=<value>
	3G network mode, valid value is:
	  0 – Any
	  1 – 2G only
	  2 – 3G only
	  3 – 2G preferred
	  4 – 3G preferred
	SERVICE=<value>
	PPP service name, valid value is:
	  0-32 characters
	PHONENUM=<value>
	PPP phone number, valid value is:
	  0-32 characters
	USERNAME=<value>
	User name of PPP, valid value is:
	  0-128 characters
	PASSWORD=<value>
	Password of PPP, valid value is:
	  0-128 characters

Set PPP Parameters

Command Name	Set PPP Parameters
Command URL	http://<Camera IP>/form/setPpp?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable or disable PPP function, valid value is:
	  0 – Disable PPP
	  1 – Enable PPP
	NETWORKMODE=<value>
	3G network mode, valid value is:
	  0 – Any
	  1 – 2G only
	  2 – 3G only
	  3 – 2G preferred
	  4 – 3G preferred
	SERVICE=<value>
	PPP service name, valid value is:
	  0-32 characters
	PHONENUM=<value>
	PPP phone number, valid value is:
	  0-32 characters
	USERNAME=<value>
	User name of PPP, valid value is:
	  0-128 characters
	PASSWORD=<value>
	Password of PPP, valid value is:
	  0-128 characters

Description	Set PPP parameters
Response	**000 Success** **100 Failed**

Get PPP Status

Command Name	Get PPP Status
Command URL	http://<Camera IP>/form/getPppStatus
Parameters	Null
Description	Get PPP status

Response	**000 Success**
	 100 Failed
	
	 LINK=<value>
	 Link status, valid value is:
	   0 – No connection
	   1 – Connected
	 IPADDR=<value>
	 IP address, valid value is: IP address data
	 NETMASK=<value>
	 Subnet mask, valid value is: IP address data
	 GATEWAY=<value>
	 Gateway, valid value is: IP address data or empty
	 DNS1=<value>
	 Primary DNS IP address, valid value is: IP address data or empty
	 DNS2=<value>
	 Secondary DNS IP address, valid value is: IP address data or empty

Get PPPoE Parameters

Command Name	Get PPPoE Parameters
Command URL	http://<Camera IP>/form/getPppoe
Parameters	Null
Description	Get PPPoE parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=\<value\>
	Enable or disable PPPoE function, valid value is:
	  0 – Disable PPPoE
	  1 – Enable PPPoE
	SERVICE=\<value\>
	PPPoE service name, valid value is:
	0-32 characters
	USERNAME=\<value\>
	User name of PPPoE, valid value is:
	0-128 characters
	PASSWORD=\<value\>
	Password of PPPoE, valid value is:
	0-128 characters

Set PPPoE Parameters

Command Name	Set PPPoE Parameters
Command URL	http://\<Camera IP\>/form/setPppoe?\<Param1\>&\<Param2\>& …

Parameters	**ENABLE=\<value\>**
	
	 Enable or disable PPPoE function, valid value is:
	
	   0 – Disable PPPoE
	
	   1 – Enable PPPoE
	
	 SERVICE=\<value\>
	
	 PPPoE service name, valid value is:
	
	   0-32 characters
	
	 USERNAME=\<value\>
	
	 User name of PPPoE, valid value is:
	
	   0-128 characters
	
	 PASSWORD=\<value\>
	
	 Password of PPPoE, valid value is:
	
	   0-128 characters

Description	Set PPPoE parameters
Response	**000 Success** **100 Failed**

Get PPPoE Status

Command Name	Get PPPoE Status
Command URL	http://<Camera IP>/form/getPppoeStatus
Parameters	Null
Description	Get PPPoE status

Response	**000 Success**
	100 Failed
	
	LINK=<value>
	Link status, valid value is:
	  0 – No connection
	  1 – Connected
	IPADDR=<value>
	IP address, valid value is: IP address data
	NETMASK=<value>
	Subnet mask, valid value is: IP address data
	GATEWAY=<value>
	Gateway, valid value is: IP address data or empty
	DNS1=<value>
	Primary DNS IP address, valid value is: IP address data or empty
	DNS2=<value>
	Secondary DNS IP address, valid value is: IP address data or empty

Get DDNS Parameters

Command Name	Get DDNS Parameters
Command URL	http://<Camera IP>/form/getDdns
Parameters	Null
Description	Get DDNS parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or disable DDNS function, valid value is:
	  0 – Disable DDNS
	  1 – Enable DDNS
	PROVIDER=<value>
	DDNS provider, valid value is:
	  dtdns.com
	  dyndns.org
	  no-ip.com
	  3322.org
	HOSTNAME=<value>
	Hostname you register, valid value is:
	  0-128 characters
	USERNAME=<value>
	User name you register, valid value is:
	  0-128 characters
	PASSWORD=<value>
	Password you register, valid value is:
	  0-128 characters

Set DDNS Parameters

Command Name	Set DDNS Parameters
Command URL	http://<Camera IP>/form/setDdns?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable or disable DDNS function, valid value is:
	  0 – Disable DDNS
	  1 – Enable DDNS
	PROVIDER=<value>
	DDNS provider, valid value is:
	  dtdns.com
	  dyndns.org
	  no-ip.com
	  3322.org
	HOSTNAME=<value>
	Hostname you register, valid value is:
	  0-128 characters
	USERNAME=<value>
	User name you register, valid value is:
	  0-128 characters
	PASSWORD=<value>
	Password you register, valid value is:
	  0-128 characters

Description	Set DDNS parameters
Response	**000 Success** **100 Failed**

Get DDNS Status

Command Name	Get DDNS Status
Command URL	http://<Camera IP>/form/getDdnsStatus
Parameters	Null
Description	Get DDNS status
Response	**000 Success** **100 Failed** **STATUS=<value>** DDNS status, valid value is: 0 – DDNS function is disabled 1 – DDNS is updating 2 – DDNS updating successfully

Get UPnP Parameters

Command Name	Get UPnP Parameters
Command URL	http://<Camera IP>/form/getUpnp
Parameters	Null
Description	Get UPnP parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or disable UPnP function, valid value is:
	  0 – Disable UPnP
	  1 – Enable UPnP
	HTTPPORTFORWARD=<value>
	Enable or disable gateway HTTP/RTSP port forwarding,
	valid value is:
	  0 – Disable
	  1 – Enable
	MINEXTHTTPPORT=<value>
	Min external HTTP port range of router, valid value is:
	  1~65535
	MAXEXTHTTPPORT=<value>
	Max external HTTP port range of router, valid value is:
	  1~65535
	RTPPORTFORWARD=<value>
	Enable or disable gateway RTP port forwarding, valid value is:
	  0 – Disable
	  1 – Enable

Set UPnP Parameters

Command Name	Set UPnP Parameters
Command URL	http://<Camera IP>/form/setUpnp?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable or disable UPnP function, valid value is:
	  0 – Disable UPnP
	  1 – Enable UPnP
	HTTPPORTFORWARD=<value>
	Enable or disable gateway HTTP/RTSP port forwarding,
	valid value is:
	  0 – Disable
	  1 – Enable
	MINEXTHTTPPORT=<value>
	Min external HTTP port range of router, valid value is:
	  1~65535
	MAXEXTHTTPPORT=<value>
	Max external HTTP port range of router, valid value is:
	  1~65535
	RTPPORTFORWARD=<value>
	Enable or disable gateway RTP port forwarding, valid value is:
	  0 – Disable
	  1 – Enable

Description	Set UPnP parameters
Response	**000 Success** **100 Failed**

Get UPnP Status

Command Name	Get UPnP Status
Command URL	http://\<Camera IP\>/form/getUpnpStatus
Parameters	Null
Description	Get UPnP status
Response	**000 Success**
	100 Failed
	STATUS=\<value\>
	UPnP Status, valid value is:
	0 – UPnP function is disabled
	1 – Can't find any router or gateway
	2 – Found router or gateway
	EXTIPADDR=\<value\>
	Router Internet IP address, valid value is: IP address data
	EXTPORT=\<value\>
	Router external port which is port forwarding to camera, valid value is:
	0~65535

Get P2P Parameters

Command Name	Get P2P Parameters
Command URL	http://<Camera IP>/form/getP2p
Parameters	Null
Description	Get P2P parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or disable P2P function, valid value is:
	  0 – Disable P2P
	  1 – Enable P2P
	UID=<value>
	UID of camera
	valid value is:
	  20 characters

Set P2P Parameters

Command Name	Set P2P Parameters
Command URL	http://\<Camera IP\>/form/setP2p?\<Param1\>&\<Param2\>& …

Parameters	**ENABLE=\<value\>**
	Enable or disable P2P function, valid value is:
	  0 – Disable P2P
	  1 – Enable P2P

Description	Set P2P parameters
Response	**000 Success** **100 Failed**

Get P2P Status

Command Name	**Get P2P Status**
Command URL	http://<Camera IP>/form/getP2pStatus
Parameters	Null
Description	Get P2P status
Response	**000 Success**
	100 Failed
	STATUS=<value>
	P2P Status, valid value is:
	0 – P2P function is disabled
	1 – Connected
	2 – Connecting
	3 – Fail
	4 – Server no response
	5 – Unlicense

Get Storage Parameters

Command Name	Get Storage Parameters
Command URL	http://<Camera IP>/form/getStorage
Parameters	Null
Description	Get storage parameters
Response	**000 Success**
	100 Failed
	ENABLE=<value>
	Enable/Disable storage function, valid value is:
	0 – Disable Disabled Storage function
	1 – Enable Enabled Storage function
	DEVICE =<value>
	Select which storage device, valid value is:
	nas – Select NAS as storage device
	sd – Select SD card as storage device
	NASPATH=<value>
	NAS Path such as //192.168.168.50/ipcam_files, valid value is:
	0-128 characters
	NASAUTH=<value>
	NAS need authentication or not, valid value is:
	0 – need not authentication
	1 – need authentication
	NASUSERNAME=<value>
	User name of NAS, valid value is:
	0-128 characters
	NASPASSWORD=<value>
	Password of NAS, valid value is:
	0-128 characters
	DIRECTORY=<value>
	Store directory, valid value is:
	0-128 characters
	MAXSPACE=<value>
	Max store space, valid value is:
	0 – Unlimited
	1000 – 1GB
	2000 – 2GB
	4000 – 4GB

	8000 – 8GB
	16000 – 16GB
	32000 – 32GB
	64000 – 64GB
	128000 – 128GB
	256000 – 256GB
	512000 – 512GB
	1024000 – 1TB
	MAXFILES=<value>
	Max store files, valid value is:
	0 – Unlimited
	1000 – 1000 files
	2000 – 2000 files
	3000 – 3000 files
	4000 – 4000 files
	5000 – 5000 files
	10000 – 10000 files
	20000 – 20000 files

Set Storage Parameters

Command Name	Set Storage Parameters
Command URL	http://<Camera IP>/form/setStorage?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable/Disable storage function, valid value is:
	  0 – Disable Disabled Storage function
	  1 – Enable Enabled Storage function
	DEVICE =<value>
	Select which storage device, valid value is:
	  nas – Select NAS as storage device
	  sd – Select SD card as storage device
	NASPATH=<value>
	NAS Path such as //192.168.168.50/ipcam_files, valid value is:
	0-128 characters
	NASAUTH=<value>
	NAS need authentication or not, valid value is:
	  0 – need not authentication
	  1 – need authentication
	NASUSERNAME=<value>
	User name of NAS, valid value is:
	0-128 characters
	NASPASSWORD=<value>
	Password of NAS, valid value is:
	0-128 characters
	DIRECTORY=<value>
	Store directory, valid value is:
	0-128 characters
	MAXSPACE=<value>
	Max store space, valid value is:
	  0 – Unlimited
	  1000 – 1GB
	  2000 – 2GB
	  4000 – 4GB
	  8000 – 8GB
	  16000 – 16GB
	  32000 – 32GB
	  64000 – 64GB
	  128000 – 128GB
	  256000 – 256GB

	512000 – 512GB
	1024000 – 1TB
	MAXFILES=<value>
	Max store files, valid value is:
	0 – Unlimited
	1000 – 1000 files
	2000 – 2000 files
	3000 – 3000 files
	4000 – 4000 files
	5000 – 5000 files
	10000 – 10000 files
	20000 – 20000 files
Description	Set storage parameters
Response	**000 Success**
	100 Failed

Get Storage Status

Command Name	Get SD Card Status
Command URL	http://<Camera IP>/form/getStorageStatus
Parameters	Null
Description	Get Storage Status
Response	**000 Success**
	100 Failed
	ENABLE=<value>
	Enable/Disable storage function, valid value is:
	0 – Disable Disabled Storage function
	1 – Enable Enabled Storage function
	DEVICE =<value>
	Select which storage device, valid value is:
	nas – Select NAS as storage device
	sd – Select SD card as storage device
	READY=<value>
	valid value is:
	yes – storage device is ready
	no – storage device is not ready
	TOTAL=<value>
	How many Mbytes the Storage total have.
	USED=<value>
	How many Mbytes the Storage already used
	AVAILABLE=<value>
	How many Mbytes the Storage is available

Get Storage File List

Command Name	Get Storage File List
Command URL	http://<Camera IP>/form/getStorageFileList

Parameters	**TYPE=<value>**
	valid value is:
	  0 – All files
	  1 – Alarm Snapshot
	  2 – Periodical Snapshot
	  3 – Alarm Recording
	  4 – Continuous Recording

Description	Get storage file list
Response	**000 Success** **100 Failed** **NUM=<value>** Number of files **NAME0=<value>** Name of file0 **SIZE0=<value>** Size of file0 **NAME1=<value>** Name of file1 **SIZE1=<value>** Size of file1 … … …

Get Digital I/O Parameters

Command Name	Get Digital I/O Parameters
Command URL	http://<Camera IP>/form/getDigitalIo
Parameters	Null
Description	Get Digital I/O Parameters

Response	**000 Success**
	100 Failed
	
	INPUT=<value>
	Enable or disable digital input function, valid value is:
	  0 – Disable digital input
	  1 – Enable digital input
	INPUTACTIVE=<value>
	Digital input's active state, valid value is:
	  0 – Low
	  1 – High
	OUTPUT=<value>
	Enable or disable digital output function, valid value is:
	  0 – Disable digital output
	  1 – Enable digital output
	OUTPUTACTIVE=<value>
	Digital output's active state, valid value is:
	  0 – Open
	  1 – Grounded

Set Digital I/O Parameters

Command Name	Set Digital I/O Parameters
Command URL	http://<Camera IP>/form/setDigitalIo?<Param1>&<Param2>& …

Parameters	**INPUT=<value>**
	Enable or disable digital input function, valid value is:
	  0 – Disable digital input
	  1 – Enable digital input
	INPUTACTIVE=<value>
	Digital input's active state, valid value is:
	  0 – Low
	  1 – High
	OUTPUT=<value>
	Enable or disable digital output function, valid value is:
	  0 – Disable digital output
	  1 – Enable digital output
	OUTPUTACTIVE=<value>
	Digital output's active state, valid value is:
	  0 – Open
	  1 – Grounded

Description	Set digital I/O parameters
Response	**000 Success** **100 Failed**

Get Motion Detection Parameters

Command Name	Get Motion Detection Parameters
Command URL	http://<Camera IP>/form/getMotion
Parameters	**WINDOW=<value>** Window number, valid value is: 1~4
Description	Get Motion detection parameters

Response	**000 Success**
	100 Failed
	
	WINDOW=<value>
	Window number, valid value is:
	1~4
	ENABLE=<value>
	Enable or disable motion detection of this window, valid value is:
	  0 – Disable motion detection
	  1 – Enable motion detection
	TOP=<value>
	Top coordinate, valid value is:
	0~479
	LEFT=<value>
	Left coordinate, valid value is:
	0~639
	BOTTOM=<value>
	Bottom coordinate, valid value is:
	0~479
	RIGHT=<value>
	Right coordinate, valid value is:
	0~639
	THRESHOLD=<value>
	Threshold of motion detection, valid value is:
	1~100
	SENSITIVITY=<value>
	Sensitivity of motion detection, valid value is:
	1~100

Set Motion Detection Parameters

Command Name	Set Motion Detection Parameters
Command URL	http://<Camera IP>/form/setMotion?<Param1>&<Param2>& …

Parameters	**WINDOW=<value>**
	Window number, valid value is:
	1~4
	ENABLE=<value>
	Enable or disable motion detection of this window, valid value is:
	  0 – Disable motion detection
	  1 – Enable motion detection
	TOP=<value>
	Top coordinate, valid value is:
	0~479
	LEFT=<value>
	Left coordinate, valid value is:
	0~639
	BOTTOM=<value>
	Bottom coordinate, valid value is:
	0~479
	RIGHT=<value>
	Right coordinate, valid value is:
	0~639
	THRESHOLD=<value>
	Threshold of motion detection, valid value is:
	1~100
	SENSITIVITY=<value>
	Sensitivity of motion detection, valid value is:
	1~100

Description	Set motion detection parameters
Response	**000 Success** **100 Failed**

Get Schedule Parameters

Command Name	Get Schedule Parameters
Command URL	http://<Camera IP>/form/getSchedule
Parameters	**ID=<value>** Schedule ID, valid value is: 1~4
Description	Get schedule parameters

Response	**000 Success**
	100 Failed
	
	ID=<value>
	Schedule ID, valid value is:
	  1~4
	ENABLE<n>=<value>
	Enable or disable schedule time, valid value is:
	  0 – Disable
	  1 – Enable
	SCHEDTYPE<n>=<value>
	Schedule type, valid value is:
	  ALWAYS – Always
	  RANGE – Range
	  EXCEPT – Except
	STARTHOUR<n>=<value>
	Start time hour, valid value is:
	  0~24
	STARTMIN<n>=<value>
	Start time minute, valid value is:
	  0~59
	ENDHOUR<n>=<value>
	End time hour, valid value is:
	  0~24
	ENDMIN<n>=<value>
	End time minute, valid value is:
	  0~59
	
	Note:
	<n>
	Day type, valid value is:

	0 – Sunday 1 – Monday 2 – Tuesday 3 – Wednesday 4 – Thursday 5 – Friday 6 – Saturday 7 – Every day

Set Schedule Parameters

Command Name	Set Schedule Parameters
Command URL	http://<Camera IP>/form/setSchedule?<Param1>&<Param2>& …

Parameters	**ID=<value>**
	Schedule ID, valid value is:
	  1~4
	ENABLE<n>=<value>
	Enable or disable schedule time, valid value is:
	  0 – Disable
	  1 – Enable
	SCHEDTYPE<n>=<value>
	Schedule type, valid value is:
	  ALWAYS – Always
	  RANGE – Range
	  EXCEPT – Except
	STARTHOUR<n>=<value>
	Start time hour, valid value is:
	  0~24
	STARTMIN<n>=<value>
	Start time minute, valid value is:
	  0~59
	ENDHOUR<n>=<value>
	End time hour, valid value is:
	  0~24
	ENDMIN<n>=<value>
	End time minute, valid value is:
	  0~59
	
	Note:
	<n>
	Day type, valid value is:
	  0 – Sunday
	  1 – Monday
	  2 – Tuesday
	  3 – Wednesday
	  4 – Thursday
	  5 – Friday
	  6 – Saturday
	  7 – Every day

Description	Set schedule parameters
Response	**000 Success**
	100 Failed

Get EMail Alarm Sending Parameters

Command Name	Get EMail Alarm Sending Parameters
Command URL	http://<Camera IP>/form/getEmailAlarmSending
Parameters	Null
Description	Get EMail Alarm Sending Parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	SCHED=<value>
	Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	SCHEDID=<value>
	Select schedule ID, valid value is:
	  1~4
	STREAMID=<value>
	Select which stream be used when snapshot, valid value is:
	  0 – Primary stream
	  1 – Secondary stream
	  2 – Mobile stream
	DURATION=<value>
	How long sending image to server after get a alarm, valid value is:
	  1~20 seconds
	FRAMERATE=<value>
	How many images will be sent to server every second after get a alarm, valid value is:
	  1~5 images/sec
	INTERVAL=<value>
	Alarm Interval of Email Alarm Sending, Valid Value is:
	  0~86400 (0: not limit)
	SERVER=<value>
	SMTP Server name or IP address, Valid Value is:
	  0~64 characters
	PORT=<value>

URL COMMAND LIST

	SMTP port number, Valid Value is:
	  1~65535
	SSL=\<value\>
	SMTP Server use Secure SSL connection or not, Valid Value is:
	  0 – don't use Secure SSL connection
	  1 – use Secure SSL connection
	AUTH=\<value\>
	SMTP Server need authentication or not, Valid Value is:
	  0 – need not authentication
	  1 – need authentication
	USERNAME=\<value\>
	Login user name, Valid Value is:
	  0~64 characters
	PASSWORD=\<value\>
	Login password, Valid Value is:
	  0~128 characters
	SENDER=\<value\>
	Sender Email address, Valid Value is:
	  0~64 characters
	RECEIVER1=\<value\>
	Receiver Email address 1, Valid Value is:
	  0~192 characters
	RECEIVER2=\<value\>
	Receiver Email address 2, Valid Value is:
	  0~192 characters
	RECEIVER3=\<value\>
	Receiver Email address 3, Valid Value is:
	  0~192 characters
	SUBJECT=\<value\>
	Email subject, Valid Value is:
	  0~128 characters
	MESSAGE=\<value\>
	Email content, Valid Value is:
	0~128 characters

Set EMail Alarm Sending Parameters

Command Name	Set EMail Alarm Sending Parameters
Command URL	http://<Camera IP> /form/setEmailAlarmSending?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=<value>** How long sending image to server after get a alarm, valid value is: 1~20 seconds **FRAMERATE=<value>** How many images will be sent to server every second after get a alarm, valid value is: 1~5 images/sec **INTERVAL=<value>** Alarm Interval of Email Alarm Sending, Valid Value is: 0~86400 (0: not limit) **SERVER=<value>** SMTP Server name or IP address, Valid Value is: 0~64 characters **PORT=<value>** SMTP port number, Valid Value is: 1~65535 **SSL=<value>** SMTP Server use Secure SSL connection or not, Valid Value is: 0 – don't use Secure SSL connection

	1 – use Secure SSL connection
	AUTH=\<value\>
	SMTP Server need authentication or not, Valid Value is:
	0 – need not authentication
	1 – need authentication
	USERNAME=\<value\>
	Login user name, Valid Value is:
	0~64 characters
	PASSWORD=\<value\>
	Login password, Valid Value is:
	0~128 characters
	SENDER=\<value\>
	Sender Email address, Valid Value is:
	0~64 characters
	RECEIVER1=\<value\>
	Receiver Email address 1, Valid Value is:
	0~192 characters
	RECEIVER2=\<value\>
	Receiver Email address 2, Valid Value is:
	0~192 characters
	RECEIVER3=\<value\>
	Receiver Email address 3, Valid Value is:
	0~192 characters
	SUBJECT=\<value\>
	Email subject, Valid Value is:
	0~128 characters
	MESSAGE=\<value\>
	Email content, Valid Value is:
	0~128 characters
Description	Set Email Alarm Sending Parameters of Camera
Response	**000 Success**
	100 Failed

Get EMail Periodical Sending **Parameters**

Command Name	**Get EMail Periodical Sending Parameters**
Command URL	http://<Camera IP>/form/getEmailPeriodSending
Parameters	Null
Description	Get EMail Periodical Sending Parameters

Response	**000 Success**
	 100 Failed
	
	 ENABLE=<value>
	 Enable or Disable function, valid value is:
	   0 – Disable
	   1 – Enable
	 SCHED=<value>
	 Select schedule for Effective period or not, valid value is:
	   0 – Do not select schedule
	   1 – Select schedule
	 SCHEDID=<value>
	 Select schedule ID, valid value is:
	   1~4
	 HOUR=<value>
	 Interval time hour, valid value is:
	   0~24
	 MIN=<value>
	 Interval time minute, valid value is:
	   0~59
	 SEC=<value>
	 Interval time second, valid value is:
	   0~59
	 STREAMID=<value>
	 Select which stream be used when snapshot, valid value is:
	   0 – Primary stream
	   1 – Secondary stream
	   2 – Mobile stream
	 DURATION=<value>
	 How long sending image to server after get a alarm, valid value is:
	   1~20 seconds
	 FRAMERATE=<value>
	 How many images will be sent to server every second after get a

alarm, valid value is:

  1~5 images/sec

SERVER=<value>

SMTP Server name or IP address, Valid Value is:

  0~64 characters

PORT=<value>

SMTP port number, Valid Value is:

  1~65535

SSL=<value>

SMTP Server use Secure SSL connection or not, Valid Value is:

  0 – don't use Secure SSL connection

  1 – use Secure SSL connection

AUTH=<value>

SMTP Server need authentication or not, Valid Value is:

  0 – need not authentication

  1 – need authentication

USERNAME=<value>

Login user name, Valid Value is:

  0~64 characters

PASSWORD=<value>

Login password, Valid Value is:

  0~128 characters

SENDER=<value>

Sender Email address, Valid Value is:

  0~64 characters

RECEIVER1=<value>

Receiver Email address 1, Valid Value is:

  0~192 characters

RECEIVER2=<value>

Receiver Email address 2, Valid Value is:

  0~192 characters

RECEIVER3=<value>

Receiver Email address 3, Valid Value is:

  0~192 characters

SUBJECT=<value>

Email subject, Valid Value is:

  0~128 characters

MESSAGE=<value>

Email content, Valid Value is:

  0~128 characters

Set EMail Periodical Sending Parameters

Command Name	Set EMail Periodical Sending Parameters
Command URL	http://<Camera IP> /form/setEmailPeriodSending?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **HOUR=<value>** Interval time hour, valid value is: 0~24 **MIN=<value>** Interval time minute, valid value is: 0~59 **SEC=<value>** Interval time second, valid value is: 0~59 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=<value>** How long sending image to server after get a alarm, valid value is: 1~20 seconds **FRAMERATE=<value>** How many images will be sent to server every second after get a alarm, valid value is: 1~5 images/sec **SERVER=<value>** SMTP Server name or IP address, Valid Value is: 0~64 characters

	PORT=\<value\>
	SMTP port number, Valid Value is:
	1~65535
	SSL=\<value\>
	SMTP Server use Secure SSL connection or not, Valid Value is:
	0 – don't use Secure SSL connection
	1 – use Secure SSL connection
	AUTH=\<value\>
	SMTP Server need authentication or not, Valid Value is:
	0 – need not authentication
	1 – need authentication
	USERNAME=\<value\>
	Login user name, Valid Value is:
	0~64 characters
	PASSWORD=\<value\>
	Login password, Valid Value is:
	0~128 characters
	SENDER=\<value\>
	Sender Email address, Valid Value is:
	0~64 characters
	RECEIVER1=\<value\>
	Receiver Email address 1, Valid Value is:
	0~192 characters
	RECEIVER2=\<value\>
	Receiver Email address 2, Valid Value is:
	0~192 characters
	RECEIVER3=\<value\>
	Receiver Email address 3, Valid Value is:
	0~192 characters
	SUBJECT=\<value\>
	Email subject, Valid Value is:
	0~128 characters
	MESSAGE=\<value\>
	Email content, Valid Value is:
	0~128 characters
Description	Set EMail Periodical Sending Parameters of Camera
Response	**000 Success**
	100 Failed

Get FTP Alarm Sending Parameters

Command Name	**Get FTP Alarm Sending Parameters**
Command URL	http://<Camera IP>/form/getFtpAlarmSending
Parameters	Null
Description	Get FTP Alarm Sending Parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=<value>** How long sending image to Server after get a alarm, valid value is: 1~20 seconds **FRAMERATE=<value>** How many images will be sent to server every second after get a alarm, valid value is: 1~5 images/sec **INTERVAL=<value>** Alarm Interval of FTP Alarm Sending, Valid Value is: 0~86400 (0: not limit) **SERVER=<value>** FTP Server name or IP address, Valid Value is: 0~64 characters **PORT=<value>**

	FTP Server port number, Valid Value is:
	  1~65535
	REMOTEPATH=\<value\>
	Remote path of server, valid value is:
	  0~64 characters
	AUTH=\<value\>
	FTP server need authentication or not, Valid Value is:
	  0 – need not authentication
	  1 – need authentication
	USERNAME=\<value\>
	Login user name, Valid Value is:
	  0~64 characters
	PASSWORD=\<value\>
	Login password, Valid Value is:
	  0~128 characters

Set FTP Alarm Sending Parameters

Command Name	Set FTP Alarm Sending Parameters
Command URL	http://\<Camera IP\> /form/setFtpAlarmSending?\<Param1\>&\<Param2\>& …
Parameters	**ENABLE=\<value\>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=\<value\>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=\<value\>** Select schedule ID, valid value is: 1~4 **STREAMID=\<value\>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=\<value\>** How long sending image to Server after get a alarm, valid value is: 1~20 seconds **FRAMERATE=\<value\>** How many images will be sent to server every second after get a alarm, valid value is: 1~5 images/sec **INTERVAL=\<value\>** Alarm Interval of FTP Alarm Sending, Valid Value is: 0~86400 (0: not limit) **SERVER=\<value\>** FTP Server name or IP address, Valid Value is: 0~64 characters **PORT=\<value\>** FTP Server port number, Valid Value is: 1~65535 **REMOTEPATH=\<value\>** Remote path of server, valid value is: 0~64 characters

	AUTH=<value>
	FTP server need authentication or not, Valid Value is:
	0 – need not authentication
	1 – need authentication
	USERNAME=<value>
	Login user name, Valid Value is:
	0~64 characters
	PASSWORD=<value>
	Login password, Valid Value is:
	0~128 characters
Description	Set FTP Alarm Sending Parameters of Camera
Response	**000 Success**
	100 Failed

Get FTP Periodical Sending Parameters

Command Name	Get FTP Periodical Sending Parameters
Command URL	http://<Camera IP>/form/getFtpPeriodSending
Parameters	Null
Description	Get FTP Periodical Sending Parameters

Response	**000 Success**
	 100 Failed
	
	 ENABLE=<value>
	 Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	 SCHED=<value>
	 Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	 SCHEDID=<value>
	 Select schedule ID, valid value is:
	  1~4
	 HOUR=<value>
	 Interval time hour, valid value is:
	  0~24
	 MIN=<value>
	 Interval time minute, valid value is:
	  0~59
	 SEC=<value>
	 Interval time second, valid value is:
	  0~59
	 STREAMID=<value>
	 Select which stream be used when snapshot, valid value is:
	  0 – Primary stream
	  1 – Secondary stream
	  2 – Mobile stream
	 DURATION=<value>
	 How long sending image to Server after get a alarm, valid value is:
	  1~20 seconds
	 FRAMERATE=<value>
	 How many images will be sent to server every second after get a

	alarm, valid value is:
	  1~5 images/sec
	SERVER=\<value\>
	FTP Server name or IP address, Valid Value is:
	  0~64 characters
	PORT=\<value\>
	FTP Server port number, Valid Value is:
	  1~65535
	REMOTEPATH=\<value\>
	Remote path of server, valid value is:
	  0~64 characters
	AUTH=\<value\>
	FTP server need authentication or not, Valid Value is:
	  0 – need not authentication
	  1 – need authentication
	USERNAME=\<value\>
	Login user name, Valid Value is:
	  0~64 characters
	PASSWORD=\<value\>
	Login password, Valid Value is:
	  0~128 characters

Set FTP Periodical Sending Parameters

Command Name	Set FTP Periodical Sending Parameters
Command URL	http://<Camera IP> /form/setFtpPeriodSending?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **HOUR=<value>** Interval time hour, valid value is: 0~24 **MIN=<value>** Interval time minute, valid value is: 0~59 **SEC=<value>** Interval time second, valid value is: 0~59 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=<value>** How long sending image to Server after get a alarm, valid value is: 1~20 seconds **FRAMERATE=<value>** How many images will be sent to server every second after get a alarm, valid value is: 1~5 images/sec **SERVER=<value>** FTP Server name or IP address, Valid Value is: 0~64 characters

	PORT=\<value\>
	FTP Server port number, Valid Value is:
	1~65535
	REMOTEPATH=\<value\>
	Remote path of server, valid value is:
	0~64 characters
	AUTH=\<value\>
	FTP server need authentication or not, Valid Value is:
	0 – need not authentication
	1 – need authentication
	USERNAME=\<value\>
	Login user name, Valid Value is:
	0~64 characters
	PASSWORD=\<value\>
	Login password, Valid Value is:
	0~128 characters
Description	Set FTP Periodical Sending Parameters of Camera
Response	**000 Success**
	100 Failed

Get HTTP Alarm Sending Parameters

Command Name	**Get HTTP Alarm Sending Parameters**
Command URL	http://<Camera IP>/form/getHttpAlarmSending
Parameters	Null
Description	Get HTTP Alarm Sending Parameters

Response	**000 Success**
	 100 Failed
	
	 ENABLE=<value>
	 Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	 SCHED=<value>
	 Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	 SCHEDID=<value>
	 Select schedule ID, valid value is:
	  1~4
	 INTERVAL=<value>
	 Alarm Interval of HTTP Alarm Sending, Valid Value is:
	  0~86400 (0: not limit)
	 URL=<value>
	 Define sending URL, valid value is:
	  0~127 characters
	 AUTH=<value>
	 HTTP Server need authentication or not, Valid Value is:
	  0 – need not authentication
	  1 – need authentication
	 USERNAME=<value>
	 Login user name, Valid Value is:
	  0~64 characters
	 PASSWORD=<value>
	 Login password, Valid Value is:
	  0~128 characters

Set HTTP Alarm Sending Parameters

Command Name	Set HTTP Alarm Sending Parameters
Command URL	http://\<Camera IP\> /form/setHttpAlarmSending?\<Param1\>&\<Param2\>& …
Parameters	**ENABLE=\<value\>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=\<value\>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=\<value\>** Select schedule ID, valid value is: 1~4 **INTERVAL=\<value\>** Alarm Interval of HTTP Alarm Sending, Valid Value is: 0~86400 (0: not limit) **URL=\<value\>** Define sending URL, valid value is: 0~127 characters **AUTH=\<value\>** HTTP Server need authentication or not, Valid Value is: 0 – need not authentication 1 – need authentication **USERNAME=\<value\>** Login user name, Valid Value is: 0~64 characters **PASSWORD=\<value\>** Login password, Valid Value is: 0~128 characters
Description	Set HTTP Alarm Sending Parameters of Camera
Response	**000 Success** **100 Failed**

Get HTTP Periodical Sending Parameters

Command Name	Get HTTP Periodical Sending Parameters
Command URL	http://<Camera IP>/form/getHttpPeriodSending
Parameters	Null
Description	Get HTTP Periodical Sending Parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Enable or Disable function, valid value is: 　0 – Disable 　1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 　0 – Do not select schedule 　1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 　1~4 **HOUR=<value>** Interval time hour, valid value is: 　0~24 **MIN=<value>** Interval time minute, valid value is: 　0~59 **SEC=<value>** Interval time second, valid value is: 　0~59 **URL=<value>** Define sending URL, valid value is: 　0~127 characters **AUTH=<value>** HTTP Server need authentication or not, Valid Value is: 　0 – need not authentication 　1 – need authentication **USERNAME=<value>** Login user name, Valid Value is: 　0~64 characters

	PASSWORD=\<value\> Login password, Valid Value is: 0~128 characters

Set HTTP Periodical Sending Parameters

Command Name	Set HTTP Periodical Sending Parameters
Command URL	http://<Camera IP> /form/setHttpPeriodSending?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **HOUR=<value>** Interval time hour, valid value is: 0~24 **MIN=<value>** Interval time minute, valid value is: 0~59 **SEC=<value>** Interval time second, valid value is: 0~59 **URL=<value>** Define sending URL, valid value is: 0~127 characters **AUTH=<value>** HTTP Server need authentication or not, Valid Value is: 0 – need not authentication 1 – need authentication **USERNAME=<value>** Login user name, Valid Value is: 0~64 characters **PASSWORD=<value>** Login password, Valid Value is: 0~128 characters
Description	Set HTTP Periodical Sending Parameters of Camera

Response	000 Success
	100 Failed

Get Storage Alarm Snapshot Parameters

Command Name	**Get Storage Alarm Snapshot Parameters**
Command URL	http://<Camera IP>/form/getStorageAlarmSnapshot
Parameters	Null
Description	Get Storage Alarm Snapshot Parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	SCHED=<value>
	Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	SCHEDID=<value>
	Select schedule ID, valid value is:
	  1~4
	STREAMID=<value>
	Select which stream be used when snapshot, valid value is:
	  0 – Primary stream
	  1 – Secondary stream
	  2 – Mobile stream
	DURATION=<value>
	How long sending image to server after get a alarm, valid value is:
	  1~20 seconds
	FRAMERATE=<value>
	How many images will be sent to server every second after get a alarm, valid value is:
	  1~5 images/sec
	INTERVAL=<value>
	Alarm Interval of Email Alarm Sending, Valid Value is:
	  0~86400 (0: not limit)
	FILENAME=<value>
	Define file name of image, valid value is:
	  0~64 characters
	SUFFIX=<value>

	Select suffix of image file name, valid value is: 0 – Select serial number as suffix of file name 1 – Select time as suffix of file name

Set Storage Alarm Snapshot Parameters

Command Name	Set Storage Alarm Snapshot Parameters
Command URL	http://<Camera IP> /form/setStorageAlarmSnapshot?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 　0 – Disable 　1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 　0 – Do not select schedule 　1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 　1~4 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 　0 – Primary stream 　1 – Secondary stream 　2 – Mobile stream **DURATION=<value>** How long sending image to server after get a alarm, valid value is: 　1~20 seconds **FRAMERATE=<value>** How many images will be sent to server every second after get a alarm, valid value is: 　1~5 images/sec **INTERVAL=<value>** Alarm Interval of Email Alarm Sending, Valid Value is: 　0~86400 (0: not limit) **FILENAME=<value>** Define file name of image, valid value is: 　0~64 characters **SUFFIX=<value>** Select suffix of image file name, valid value is: 　0 – Select serial number as suffix of file name 　1 – Select time as suffix of file name
Description	Set Storage Alarm Snapshot Parameters of Camera

Response	**000 Success**
	100 Failed

Get Storage Periodical Snapshot Parameters

Command Name	Get Storage Periodical Snapshot Parameters
Command URL	http://<Camera IP>/form/getStoragePeriodSnapshot
Parameters	Null
Description	Get Storage Periodical Snapshot Parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **HOUR=<value>** Interval time hour, valid value is: 0~24 **MIN=<value>** Interval time minute, valid value is: 0~59 **SEC=<value>** Interval time second, valid value is: 0~59 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=<value>** How long sending image to server after get a alarm, valid value is: 1~20 seconds **FRAMERATE=<value>** How many images will be sent to server every second after get a

	alarm, valid value is:
	
	  1~5 images/sec
	
	FILENAME=\<value\>
	
	Define file name of image, valid value is:
	
	  0~64 characters
	
	SUFFIX=\<value\>
	
	Select suffix of image file name, valid value is:
	
	  0 – Select serial number as suffix of file name
	
	  1 – Select time as suffix of file name

Set Storage Periodical Snapshot Parameters

Command Name	Set Storage Periodical Snapshot Parameters
Command URL	http://\<Camera IP> /form/setStoragePeriodSnapshot?\<Param1>&\<Param2>& …

Parameters	**ENABLE=\<value>**
	Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	SCHED=\<value>
	Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	SCHEDID=\<value>
	Select schedule ID, valid value is:
	  1~4
	HOUR=\<value>
	Interval time hour, valid value is:
	  0~24
	MIN=\<value>
	Interval time minute, valid value is:
	  0~59
	SEC=\<value>
	Interval time second, valid value is:
	  0~59
	STREAMID=\<value>
	Select which stream be used when snapshot, valid value is:
	  0 – Primary stream
	  1 – Secondary stream
	  2 – Mobile stream
	DURATION=\<value>
	How long sending image to server after get a alarm, valid value is:
	  1~20 seconds
	FRAMERATE=\<value>
	How many images will be sent to server every second after get a alarm, valid value is:
	  1~5 images/sec
	FILENAME=\<value>
	Define file name of image, valid value is:
	  0~64 characters

	SUFFIX=\<value\>
	Select suffix of image file name, valid value is:
	0 – Select serial number as suffix of file name
	1 – Select time as suffix of file name
Description	Set Storage Periodical Snapshot Parameters of Camera
Response	**000 Success**
	100 Failed

Get Storage Alarm Recording Parameters

Command Name	**Get Storage Alarm Recording Parameters**
Command URL	http://<Camera IP>/form/getStorageAlarmRecord
Parameters	Null
Description	Get Storage Alarm Recording Parameters
Response	**000 Success**
	100 Failed
	ENABLE=<value>
	Enable or Disable function, valid value is:
	0 – Disable
	1 – Enable
	SCHED=<value>
	Select schedule for Effective period or not, valid value is:
	0 – Do not select schedule
	1 – Select schedule
	SCHEDID=<value>
	Select schedule ID, valid value is:
	1~4
	STREAMID=<value>
	Select which stream be used when snapshot, valid value is:
	0 – Primary stream
	1 – Secondary stream
	2 – Mobile stream
	DURATION=<value>
	How long sending image to Server after get a alarm, valid value is:
	1~20 seconds
	SPLITDURATION=<value>
	How many seconds split a recording file.
	THUMBNAIL=<value>
	Enable or Disable record thumbnail, valid value is:
	0 – Disable
	1 – Enable
	FILENAME=<value>
	Define file name of recording file, valid value is:
	0~64 characters
	SUFFIX=<value>
	Select suffix of image file name, valid value is:

	0 – Select serial number as suffix of file name
	1 – Select time as suffix of file name
	2 – Select time and recording time as suffix of file name

Set Storage Alarm Recording Parameters

Command Name	Set Storage Alarm Recording Parameters
Command URL	http://<Camera IP> /form/setStorageAlarmRecord?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **DURATION=<value>** How long sending image to Server after get a alarm, valid value is: 1~20 seconds **SPLITDURATION=<value>** How many seconds split a recording file. **THUMBNAIL=<value>** Enable or Disable record thumbnail, valid value is: 0 – Disable 1 – Enable **FILENAME=<value>** Define file name of recording file, valid value is: 0~64 characters **SUFFIX=<value>** Select suffix of image file name, valid value is: 0 – Select serial number as suffix of file name 1 – Select time as suffix of file name 2 – Select time and recording time as suffix of file name
Description	Set Storage Alarm Recording Parameters

Response	000 Success
	100 Failed

Get Storage Continuous Recording Parameters

Command Name	Get Storage Continuous Recording Parameters
Command URL	http://<Camera IP>/form/getStorageContinueRecord
Parameters	Null
Description	Get Storage Continuous Recording Parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **SPLITDURATION=<value>** How many seconds split a recording file. **THUMBNAIL=<value>** Enable or Disable record thumbnail, valid value is: 0 – Disable 1 – Enable **FILENAME=<value>** Define file name of recording file, valid value is: 0~64 characters **SUFFIX=<value>** Select suffix of image file name, valid value is: 0 – Select serial number as suffix of file name 1 – Select time as suffix of file name 2 – Select time and recording time as suffix of file name

Set Storage Continuous Recording Parameters

Command Name	Set Storage Continuous Recording Parameters
Command URL	http://<Camera IP> /form/setStorageContinueRecord?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Enable or Disable function, valid value is: 0 – Disable 1 – Enable **SCHED=<value>** Select schedule for Effective period or not, valid value is: 0 – Do not select schedule 1 – Select schedule **SCHEDID=<value>** Select schedule ID, valid value is: 1~4 **STREAMID=<value>** Select which stream be used when snapshot, valid value is: 0 – Primary stream 1 – Secondary stream 2 – Mobile stream **SPLITDURATION=<value>** How many seconds split a recording file. **THUMBNAIL=<value>** Enable or Disable record thumbnail, valid value is: 0 – Disable 1 – Enable **FILENAME=<value>** Define file name of recording file, valid value is: 0~64 characters **SUFFIX=<value>** Select suffix of image file name, valid value is: 0 – Select serial number as suffix of file name 1 – Select time as suffix of file name 2 – Select time and recording time as suffix of file name
Description	Set Storage Continuous Recording Parameters
Response	**000 Success** **100 Failed**

Get Storage FTP Sending Parameters

Command Name	**Get Storage FTP Sending Parameters**
Command URL	http://<Camera IP>/form/getStorageFtpSending
Parameters	Null
Description	Get Storage files FTP sending Parameters

Response	**000 Success**
	100 Failed
	
	ENABLE=<value>
	Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	SCHED=<value>
	Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	SCHEDID=<value>
	Select schedule ID, valid value is:
	  1~4
	SERVER=<value>
	FTP Server name or IP address, Valid Value is:
	  0~64 characters
	PORT=<value>
	FTP Server port number, Valid Value is:
	  1~65535
	REMOTEPATH=<value>
	Remote path of server, valid value is:
	  0~64 characters
	AUTH=<value>
	FTP server need authentication or not, Valid Value is:
	  0 – need not authentication
	  1 – need authentication
	USERNAME=<value>
	Login user name, Valid Value is:
	  0~64 characters
	PASSWORD=<value>
	Login password, Valid Value is:
	  0~128 characters

Set Storage FTP Sending Parameters

Command Name	Set Storage FTP Sending Parameters
Command URL	http://<Camera IP> /form/setStorageFtpSending?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable or Disable function, valid value is:
	  0 – Disable
	  1 – Enable
	SCHED=<value>
	Select schedule for Effective period or not, valid value is:
	  0 – Do not select schedule
	  1 – Select schedule
	SCHEDID=<value>
	Select schedule ID, valid value is:
	  1~4
	SERVER=<value>
	FTP Server name or IP address, Valid Value is:
	  0~64 characters
	PORT=<value>
	FTP Server port number, Valid Value is:
	  1~65535
	AUTH=<value>
	FTP server need authentication or not, Valid Value is:
	  0 – need not authentication
	  1 – need authentication
	USERNAME=<value>
	Login user name, Valid Value is:
	  0~64 characters
	PASSWORD=<value>
	Login password, Valid Value is:
	  0~128 characters
	REMOTEPATH=<value>
	Remote path of server, valid value is:
	  0~64 characters

Description	Get Storage files FTP sending Parameters
Response	**000 Success** **100 Failed**

Get Identity Parameters

Command Name	Get Identity Parameters
Command URL	http://<Camera IP>/form/getIdentity
Parameters	Null
Description	Get identity parameters

Response	**000 Success**
	100 Failed
	
	NAME=<value>
	System name, valid value is:
	  0~30 characters
	CONTACT=<value>
	System contact, valid value is:
	  0~50 characters
	LOCATION=<value>
	System location, valid value is:
	  0~50 characters

Set Identity Parameters

Command Name	Set Identity Parameters
Command URL	http://<Camera IP>/form/setIdentity?<Param1>&<Param2>& …

Parameters	**NAME=<value>**
	System name, valid value is:
	  0~30 characters
	CONTACT=<value>
	System contact, valid value is:
	  0~50 characters
	LOCATION=<value>
	System location, valid value is:
	  0~50 characters

Description	Set Identity parameters
Response	**000 Success** **100 Failed**

Add User

Command Name	Add User
Command URL	http://<Camera IP>/form/addUser?<Param1>&<Param2>& …
Parameters	**USERNAME=<value>** User name, valid value is: 0~32 characters **PASSWORD=<value>** Password, valid value is: 0~32 characters
Description	Add user
Response	**000 Success** **100 Failed**

Edit User

Command Name	Edit User
Command URL	http://<Camera IP>/form/editUser?<Param1>&<Param2>& …
Parameters	**USERNAME=<value>**
	User name need be already exist, valid value is:
	0~32 characters
	PASSWORD=<value>
	Password, valid value is:
	0~32 characters
Description	Edit user
Response	**000 Success**
	100 Failed

Delete User

Command Name	Delete User
Command URL	http://<Camera IP>/form/deleteUser?<Param1>&<Param2>& …
Parameters	**USERNAME=<value>**
	User name need be already exist, valid value is:
	0~32 characters
Description	Delete user
Response	**000 Success**
	100 Failed

Get User List

Command Name	Get User List
Command URL	http://<Camera IP>/form/getUserList
Parameters	Null
Description	Get user list

Response	**000 Success**
	100 Failed
	
	NUM=<value>
	Number of users, valid value is:
	  0~63
	USERNAME0=<value>
	Name of user0, valid value is:
	  0~32 characters
	PASSWORD0=<value>
	Password of user0, valid value is:
	  0~32 characters
	USERNAME1=<value>
	Name of user0, valid value is:
	  0~32 characters
	PASSWORD1=<value>
	Password of user0, valid value is:
	  0~32 characters
	…
	…
	…

Get Active Users List

Command Name	**Get Active Users List**
Command URL	http://<Camera IP>/form/getActiveUserList
Parameters	Null
Description	Get active users list
Response	**000 Success** **100 Failed** **NUM=<value>** Number of users, valid value is: 0~16 **USERNAME0=<value>** Name of user0, valid value is: 0~32 characters **IP0=<value>** IP address of user0, valid value is: IP address data **USERNAME1=<value>** Name of user1, valid value is: 0~32 characters **IP1=<value>** IP address of user1, valid value is: IP address data … … …

Get Allow Anonymous Access Parameters

Command Name	Get Allow Anonymous Access Parameters
Command URL	http://<Camera IP>/form/getAnonymousAccess
Parameters	Null
Description	Get allow anonymous access parameters
Response	**000 Success** **100 Failed** **ENABLE=<value>** Allow or not anonymous access camera, valid value is: 0 – Don't allow 1 – Allow

Set Allow Anonymous Access Parameters

Command Name	Set Allow Anonymous Access Parameters
Command URL	http://<Camera IP>/form/setAnonymousAccess?<Param1>&<Param2>& …
Parameters	**ENABLE=<value>** Allow or not anonymous access camera, valid value is: 0 – Don't allow 1 – Allow
Description	Set allow anonymous access parameters
Response	**000 Success** **100 Failed**

Get Authentication Method

Command Name	Get Authentication Method
Command URL	http://<Camera IP>/form/getAuthMethod
Parameters	Null
Description	Get HTTP/RTSP authentication method

Response	**000 Success**
	100 Failed
	
	AUTHMETHOD=<value>
	valid value is:
	  1 - Basic Authentication
	  2 - Digest Access Authentication

Set Authentication Method

Command Name	Set Authentication Method
Command URL	http://<Camera IP>/form/setAuthMethod?<Param1>&<Param2>& …
Parameters	**AUTHMETHOD=<value>** valid value is: 1 - Basic Authentication 2 - Digest Access Authentication
Description	Set HTTP/RTSP authentication method
Response	**000 Success** **100 Failed**

Get Date and Time

Command Name	Get Date and Time
Command URL	http://<Camera IP>/form/getDateTime
Parameters	Null
Description	Get date and time

Response	**000 Success**
	100 Failed
	
	TIMEZONE=<value>
	Timezone, valid value is:
	  -660 - GMT-11:00 (Midway Island, Samoa)
	  -600 - GMT-10:00 (Hawaii)
	  -540 - GMT-09:00 (Alaska)
	  -480 - GMT-08:00 (Pacific Time(US, Canada))
	  -420 - GMT-07:00 (Mountain Time (US, Canada), ...)
	  -360 - GMT-06:00 (Central Time (US, Canada), ...)
	  -300 - GMT-05:00 (Eastern Time (US, Canada), ...)
	  -240 - GMT-04:00 (Atlantic Time (Canada), ...)
	  -210 - GMT-03:30 (Newfoundland)
	  -180 - GMT-03:00 (Brasilia, ...)
	  -60 - GMT-01:00 (Azores, Cape Verde Is.)
	  0 - GMT (Greenwich Mean Time, London, ...)
	  60 - GMT+01:00 (Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna, ...)
	  120 - GMT+02:00 (Athens, Istanbul, Minsk, ...)
	  180 - GMT+03:00 (Baghdad, Kuwait, Riyadh, ...)
	  210 - GMT+03:30 (Tehran)
	  240 - GMT+04:00 (Abu Dhabi, Muscat, ...)
	  300 - GMT+05:00 (Ekaterinburg, ...)
	  330 - GMT+05:30 (Bombay, Calcutta, Madras, New Delhi)
	  360 - GMT+06:00 (Almaty, Dhaka, ...)
	  420 - GMT+07:00 (Bangkok, Hanoi, Jakarta, ...)
	  480 - GMT+08:00 (Beijing, Hong Kong, Singapore, Taipei, ...)
	  540 - GMT+09:00 (Osaka, Tokyo, Seoul, ...)
	  570 - GMT+09:30 (Adelaide)
	  600 - GMT+10:00 (Canberra, Melbourne, Sydney, ...)
	  660 - GMT+11:00 (Magadan, Solomon Is, New Caledonia, ...)
	  720 - GMT+12:00 (Auckland, Wellington, ...)

	DAYLIGHT=\<value\> Enable or disable daylight saving time, valid value is: 0 – Disable 1 – Enable **SECOND=\<value\>** Greenwich time, valid value is: 0 ~ 2147450000 (Second)

Set Date and Time

Command Name	Set Date and Time
Command URL	http://<Camera IP>/form/setDateTime?<Param1>&<Param2>& …
Parameters	**TIMEZONE=<value>**
	Timezone, valid value is:
	-660 - GMT-11:00 (Midway Island, Samoa)
	-600 - GMT-10:00 (Hawaii)
	-540 - GMT-09:00 (Alaska)
	-480 - GMT-08:00 (Pacific Time(US, Canada))
	-420 - GMT-07:00 (Mountain Time (US, Canada), ...)
	-360 - GMT-06:00 (Central Time (US, Canada), ...)
	-300 - GMT-05:00 (Eastern Time (US, Canada), ...)
	-240 - GMT-04:00 (Atlantic Time (Canada), ...)
	-210 - GMT-03:30 (Newfoundland)
	-180 - GMT-03:00 (Brasilia, ...)
	-60 - GMT-01:00 (Azores, Cape Verde Is.)
	0 - GMT (Greenwich Mean Time, London, ...)
	60 - GMT+01:00 (Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna, ...)
	120 - GMT+02:00 (Athens, Istanbul, Minsk, ...)
	180 - GMT+03:00 (Baghdad, Kuwait, Riyadh, ...)
	210 - GMT+03:30 (Tehran)
	240 - GMT+04:00 (Abu Dhabi, Muscat, ...)
	300 - GMT+05:00 (Ekaterinburg, ...)
	330 - GMT+05:30 (Bombay, Calcutta, Madras, New Delhi)
	360 - GMT+06:00 (Almaty, Dhaka, ...)
	420 - GMT+07:00 (Bangkok, Hanoi, Jakarta, ...)
	480 - GMT+08:00 (Beijing, Hong Kong, Singapore, Taipei, ...)
	540 - GMT+09:00 (Osaka, Tokyo, Seoul, ...)
	570 - GMT+09:30 (Adelaide)
	600 - GMT+10:00 (Canberra, Melbourne, Sydney, ...)
	660 - GMT+11:00 (Magadan, Solomon Is, New Caledonia, ...)
	720 - GMT+12:00 (Auckland, Wellington, ...)
	DAYLIGHT=<value>
	Enable or disable daylight saving time, valid value is:
	0 – Disable
	1 – Enable
	SECOND=<value>
	Greenwich time, valid value is:

	0 ~ 2147450000 (Second)
Description	Set date and time
Response	**000 Success**
	100 Failed

Get Date Format

Command Name	Get Date Format
Command URL	http://<Camera IP>/form/getDateFormat
Parameters	Null
Description	Get date format
Response	**000 Success** **100 Failed** **FORMAT=<value>** Select date and time format, valid value is: 0 – yy/mm/dd hh:mm:ss 1 – mm/dd/yy hh:mm:ss 2 – dd/mm/yy hh:mm:ss

Set Date Format

Command Name	Set Date Format
Command URL	http://<Camera IP>/form/setDateFormat?<Param1>&<Param2>& …
Parameters	**FORMAT=<value>** Select date and time format, valid value is: 0 – yy/mm/dd hh:mm:ss 1 – mm/dd/yy hh:mm:ss 2 – dd/mm/yy hh:mm:ss
Description	Set date format
Response	**000 Success** **100 Failed**

Get NTP Parameters

Command Name	**Get NTP Parameters**
Command URL	http://<Camera IP>/form/getNtp
Parameters	Null
Description	Get NTP parameters
Response	**ENABLE=<value>** Enable or disable NTP function, valid value is: 0 – Disable NTP 1 – Enable NTP **SERVER=<value>** NTP server name or IP address, valid value is: 0-63 characters

Set NTP Parameters

Command Name	Set NTP Parameters
Command URL	http://<Camera IP>/form/setNtp?<Param1>&<Param2>& …

Parameters	**ENABLE=<value>**
	Enable or disable NTP function, valid value is:
	  0 – Disable NTP
	  1 – Enable NTP
	SERVER=<value>
	NTP server name or IP address, valid value is:
	  0-63 characters

Description	Set NTP parameters
Response	**000 Success** **100 Failed**

System Reboot

Command Name	System Reboot
Command URL	http://<Camera IP>/form/sysReboot
Parameters	Null
Description	System reboot
Response	**000 Success**
	100 Failed

Get Model

Command Name	**Get Model**
Command URL	http://<Camera IP>/form/getModel
Parameters	Null
Description	Get model
Response	**000 Success** **100 Failed** **VENDOR=<value>** Camera vendor **MODEL=<value>** Camera model

Get Firmware Version

Command Name	Get Firmware Version
Command URL	http://<Camera IP>/form/getFirmwareVersion
Parameters	Null
Description	Get firmware version

Response	**000 Success**
	100 Failed
	
	MAJOR=<value>
	Firmware major, valid value is:
	  0~99
	MINOR=<value>
	Firmware minor, valid value is:
	  0~99
	BUILD=<value>
	Firmware build number, valid value is:
	  0~8 characters

Get Hardware Address

Command Name	Get Hardware Address
Command URL	http://<Camera IP>/form/getHardwareAddress
Parameters	Null
Description	Get hardware address
Response	**000 Success** **100 Failed** **HWADDR=<value>** Camera hardware address

Get System Information

Command Name	Get System Information
Command URL	http://<Camera IP>/form/getSystemInformation
Parameters	Null
Description	Get system information
Response	**000 Success** **100 Failed** **VENDOR=<value>** Camera vendor **MODEL=<value>** Camera model **HWADDR=<value>** Network hardware address **LOADERVERSION=<value>** The loader version **FIRMWAREVERSION=<value>** The firmware version **ACTIVEXVERSION=<value>** The ActiveX control version **UPTIME=<value>** System up time

Get System Features

Command Name	Get System Features
Command URL	http://<Camera IP>/form/getFeatures
Parameters	Null
Description	Get system features

Response	**000 Success**
	 100 Failed
	
	 SPEAKER=<value>
	 Valid value is:
	  0 – Has speaker
	  1 – No speaker
	 EXTIO=<value>
	 Valid value is:
	  0 – Has external Input/Output IO
	  1 – No external Input/Output IO
	 IRLED =<value>
	 Valid value is:
	  0 – Has IR LEDs
	  1 – No IR LEDs
	 IRCUT =<value>
	 Valid value is:
	  0 – Has IR-cutter
	  1 – No IR-cutter
	 PANTILT=<value>
	 Valid value is:
	  0 – Has Pan/Tile
	  1 – No Pan/Tile
	 WLAN=<value>
	 Valid value is:
	  0 – Has WLAN
	  1 – No WLAN
	 PPPOE=<value>
	 Valid value is:
	  0 – Support PPPoE
	  1 – No PPPoE
	 PPP=<value>
	 Valid value is:

	0 – Has 3G module
	1 – No 3G module
	SDSLOT=<value>
	Valid value is:
	0 – Has SD card slot
	1 – No SD card slot

Appendix URL Command Testing

Video

http://<IP address>/form/getVideo

http://<IP address>/form/setVideo? LIGHTFREQ=50&HFLIP=0&VFLIP=0

Audio

http://<IP address>/form/getAudio

http://<IP address>/form/setAudio?ENABLE=0&VOLUME=1

Speaker

http://<IP address>/form/getSpeaker

http://<IP address>/form/setSpeaker?ENABLE=0&VOLUME=8

Privacy mode

http://<IP address>/form/getPrivacy

http://<IP address>/form/setPrivacy?ENABLE=0

Stream

http://<IP address>/form/getStream?TYPE=1

http://<IP address>/form/setStream?TYPE=1&ENABLE=1&SIZE=FSIZE&FRAMERATE=30&
H264BITRATE=2048&MPEG4BITRATE=2048&MJPEGQUALITY=50&JPEGQUALITY=90&
AUDIOCODEC=AACLC& AUDIOBITRATE=24000&AUTH=1