IPCamera AJAX interface

using AJAX to get and set the parameters. Currently, all major browsers support AJAX.
Unless otherwise noted, the article assumes IPCam address 192.168.1.3, port 80, username and password are admin and use the IE8 browser.

Description:
The product interface is still in the stage of continuous improvement, some interfaces may be different in different versions, it is recommended that reference firmware www folder of the contents of this document.

AJAX data format

of the product's ajax using XML encapsulation, data format:
<Result>
<Success> 0/1 </ Success>
<CanConfig> 0/1 </ CanConfig
<ErrorCode> error code </ <ErrorDesc>
ErrorCode>error description </ ErrorDesc>
other data...
</ Result>
Success 1 indicates success, 0 indicates that the operation failed
when the operation failed, ErrorCode, and ErrorDesc would show the cause of the error.
CanConfig 1 can be modified to 0 the read only

General Field Description

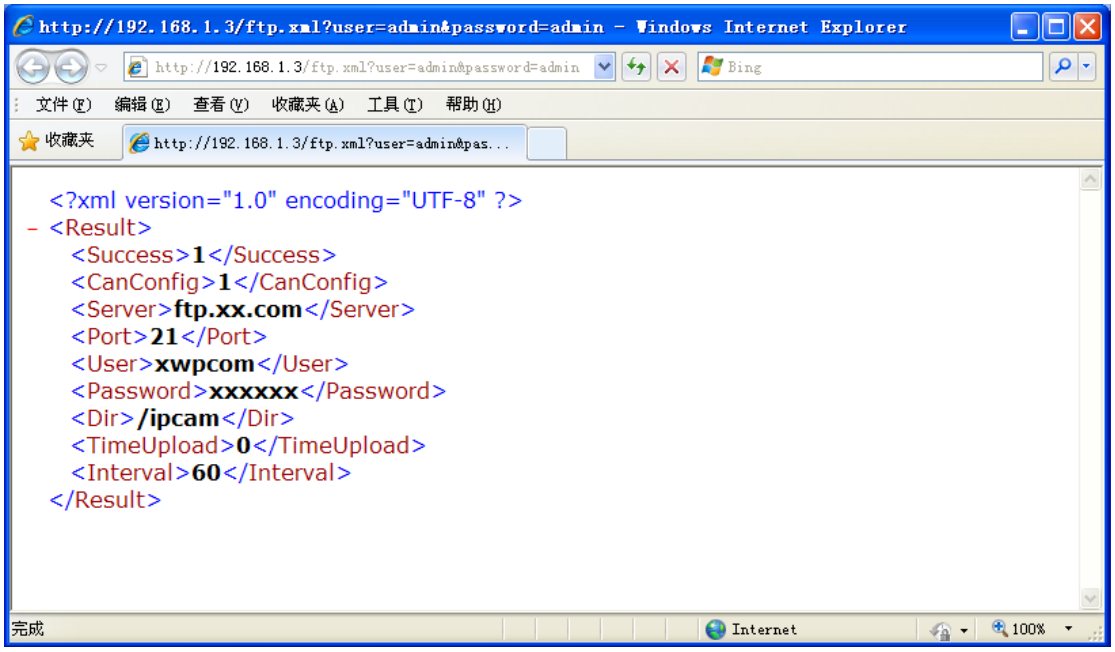
CurrentTickCount: current ipcam system time
CurrentUpdateTickCount the: Last update DDNS

parse the AJAX return the data

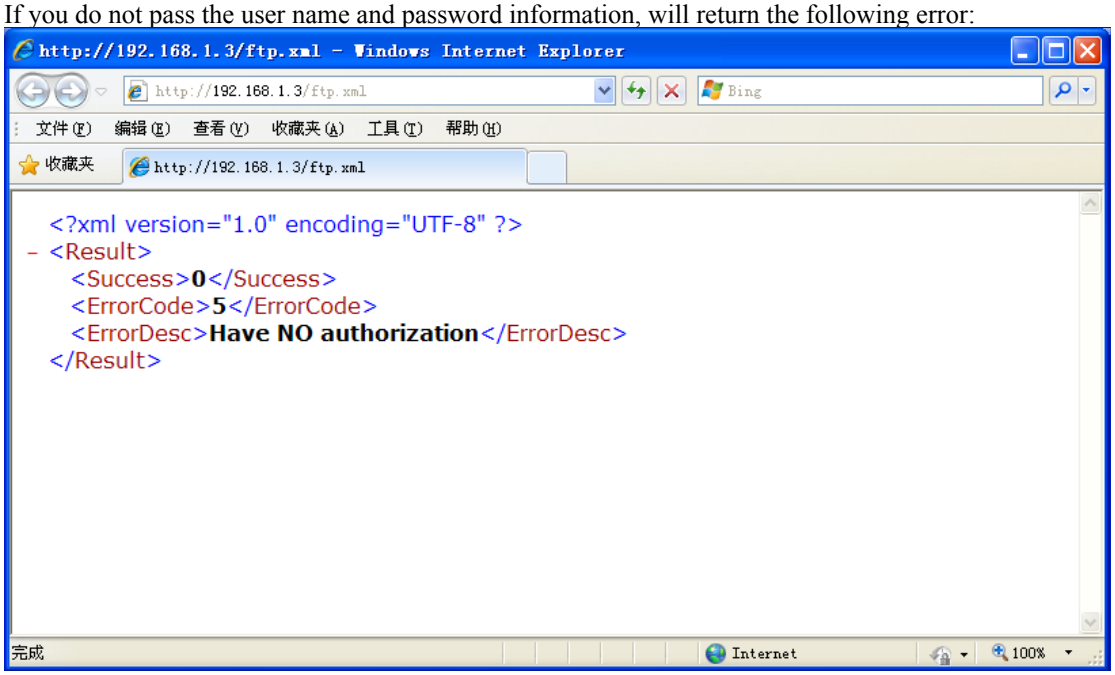
can use the browser to parse the XML data returned by the AJAX specific reference Firmware The pages in the WWW directory.
If you are writing your own program, you can use the MSXML or any other XML parser to parse the data.

Authentication

user name and password to access most of the interface need
when ipcam web login will login information is saved in a cookie, so there is no need to re-provide.
If you are not logged in directly through the AJAX interface, can be passed through the HTTP URL a user name and password.
The format is: user = admin & password = admin
such as access to the the ftp configuration of HTTP URL asfigure:
http://192.168.1.3/ftp.xml?user=admin&password=admin
the following perform like this:



If you do not pass the user name and password information, will return the following error:



AJAX interface

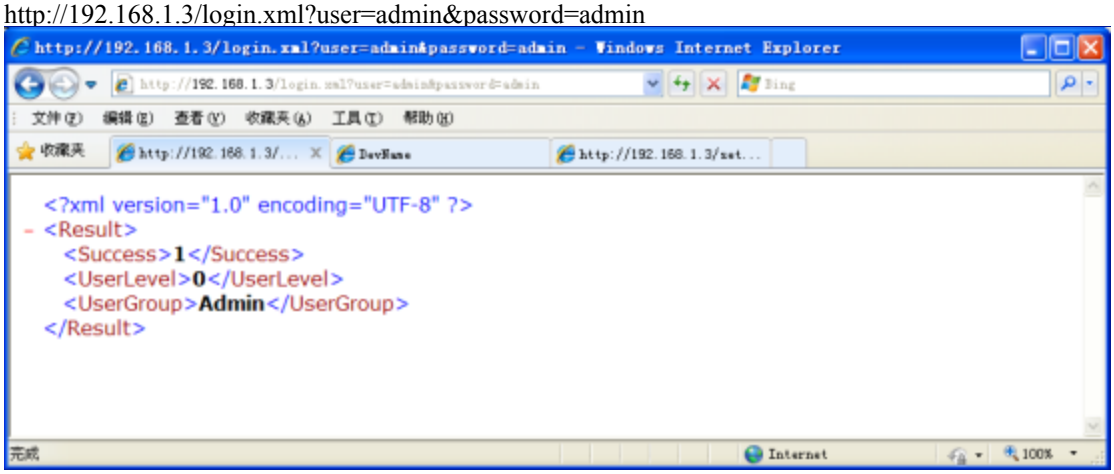
configuration is readable and writable.
Read interfaces typically use the parameter name. Xml "naming and writing interfaces generally use" set parameter name. Xml "named.
For example:
Get the ftp configuration interfaceftp.xml
interfacemodify ftp configuration for setftp.xml
some of the interface is read-only, so no corresponding setXXX.xml of interface.
Here is basically to describe the order of page menu AJAX Interface

login page to

login

login.xmlweb.xml and

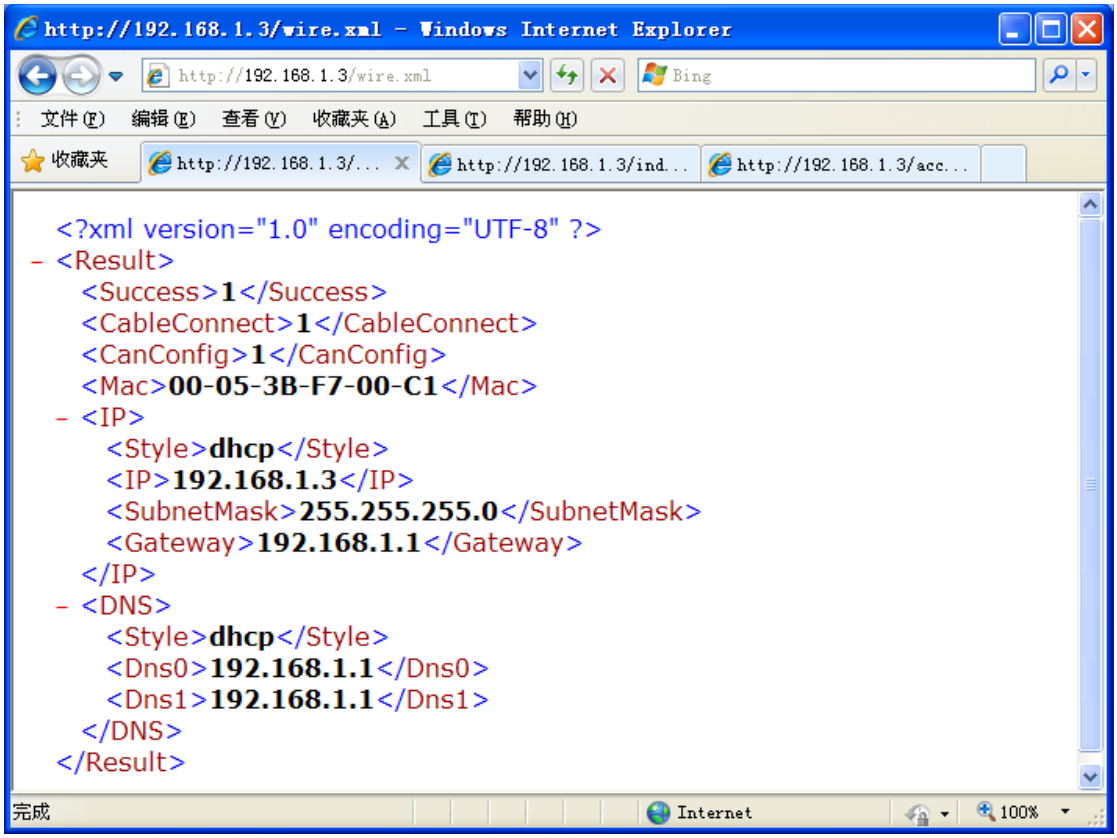
http://192.168.1.3/login.xml?user=admin&password=admin



UserLevel: 0 indicates administrator, said operator, said visitors, -1Login failed
UserGroup:User Group Admin, Operator, Guest

cable configuration

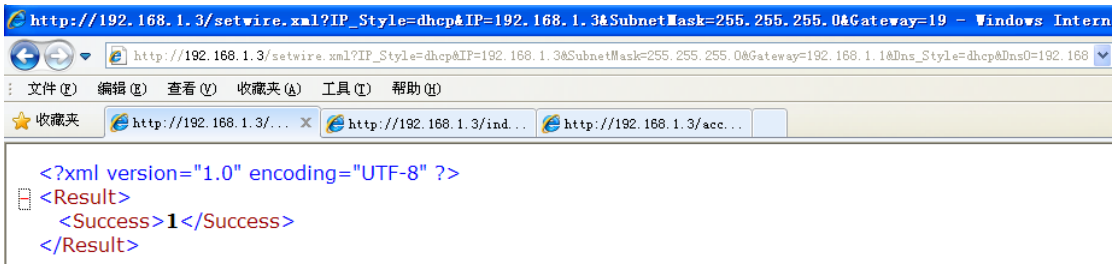
wire.xml



Get Wired Network configuration parameters
inserted wiredCableConnect: 1 to 0 to not insert wired
Mac: the wired MAC Address
IP wired IP address information
  Style for static (static IP) or dhcp (dynamic IP)
  IP wired IP address, the
  SubnetMask subnet mask
  Gateway gateway
DNS is the DNS server Information
  Style for static or dhcp
  Dns0: Preferred DNS server
  Dns1: Alternate DNS server

http://192.168.1.3/setwire.xml?IP_Style=dhcp&IP=192.168.1.3&SubnetMask=255.255.255.0&Gateway=192.168.1.1&Dns_Style=dhcp&Dns0=192.168.1.1&Dns1=192.168.1.1

setwire.xml

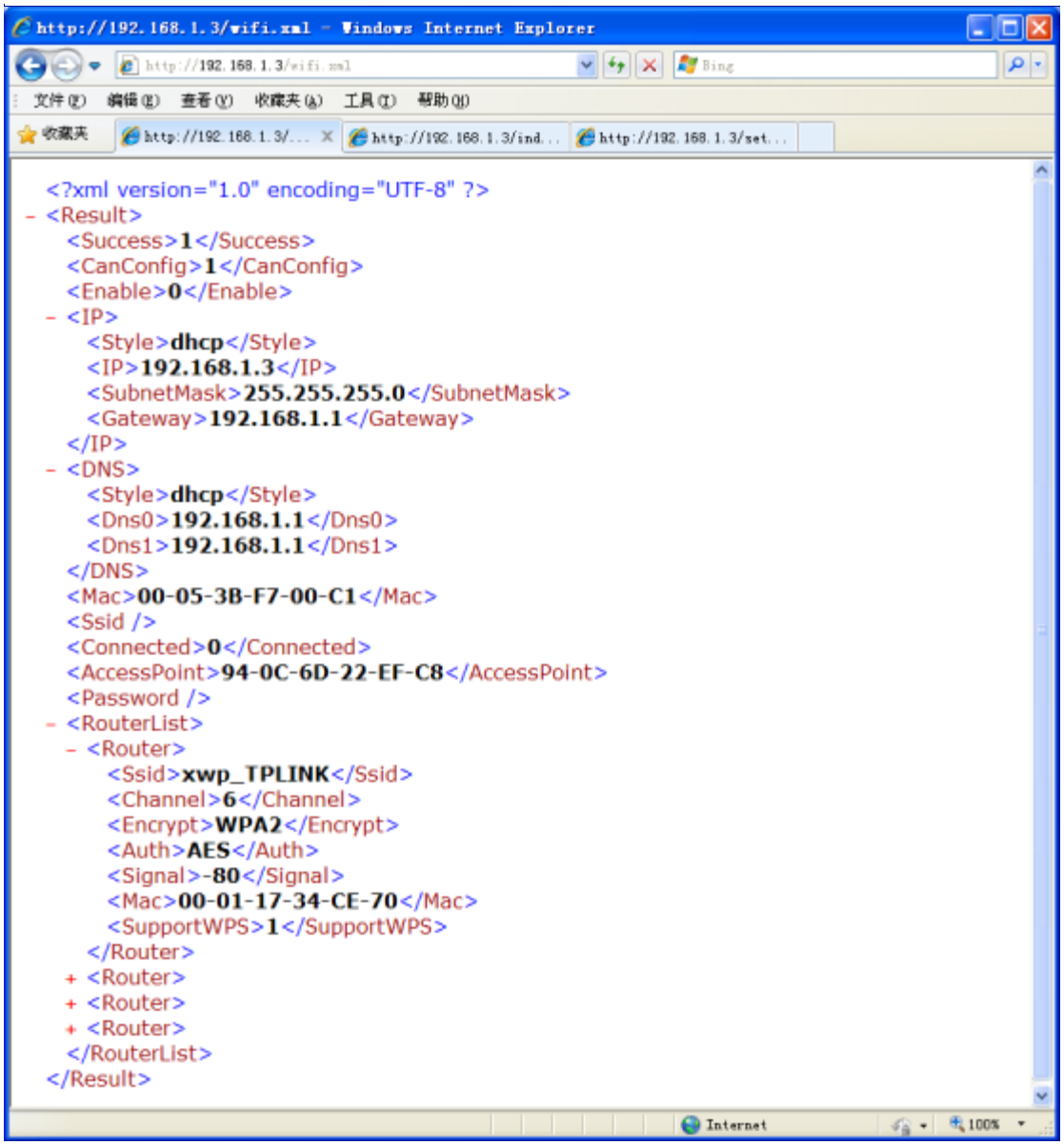


modify the cable configuration parameters
IP_Style: dhcp or static
IP: IP address,
the SubnetMask: Subnet Mask
Gateway: Gateway
Dns_Style: dhcp or static
Dns0: Preferred DNS server
Dns1: Alternate DNS server

wireless connection

http://192.168.1.3/wifi

wifi.xmlThe. searchwifi.xml



xml

informed IPCamera search again wireless router

setwifi.xml

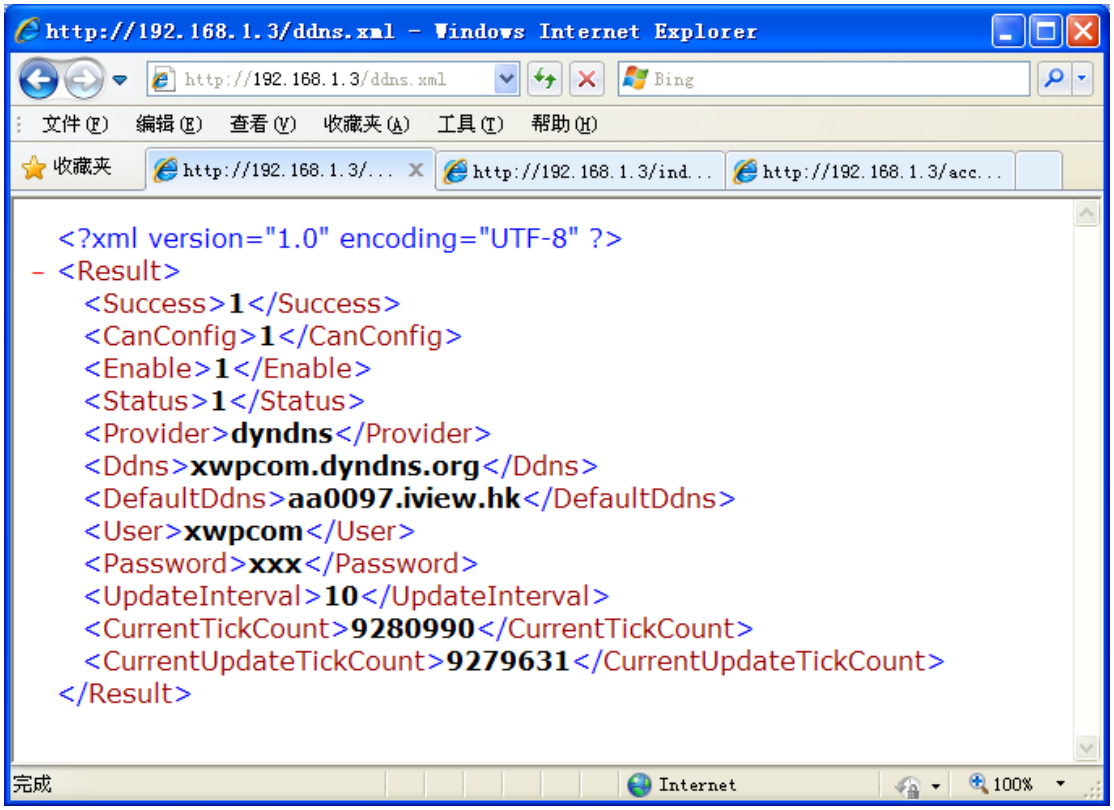
modifies wireless connection configuration.
Parameters, please reference the www / wifi.htm pages.

getwifi.xml

wireless routerobtain search

dynamic domain name

ddns.xml

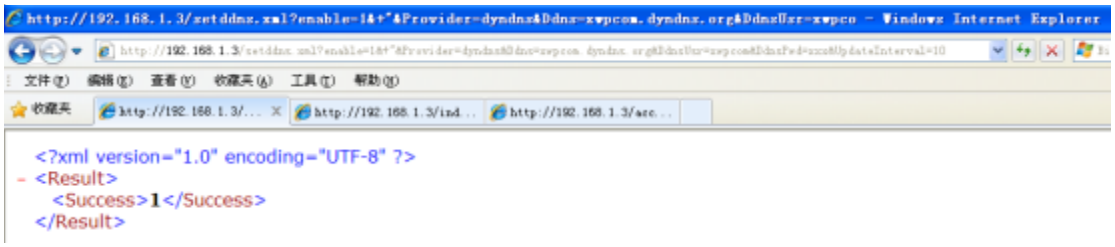


Enableinformation:whether to enable ddns
Status: ddns State
0:
Initializing:Processing
2:
Disable:Invalid parameter
4: Connect the DDNS server fails
5: Get outside the IP network
fails:the user name or password
error:not found this DDNS
8: Failure
9: updated successfully
parameters significance Reference the www / tool.js in GetDdnsStatus (Status)

Provider: DDNS service provider, for the dyndns such as 3322dyndns, 3322statdns
Ddns: the ddns
DefaultDdns: factory own the ddns
User: the ddns Account
Password: ddns password
UpdateInterval: ddns update interval: the minutes
CurrentTickCount: ipcam system time
CurrentUpdateTickCount: Last update DDNS
due IPCam equipment The system may not be accurate, so the use of the relative time.
CurrentTickCount, CurrentUpdateTickCount, and UpdateInterval combination can be calculated relative to the browser's the DDNS update time and the next update time.

setddns.xml

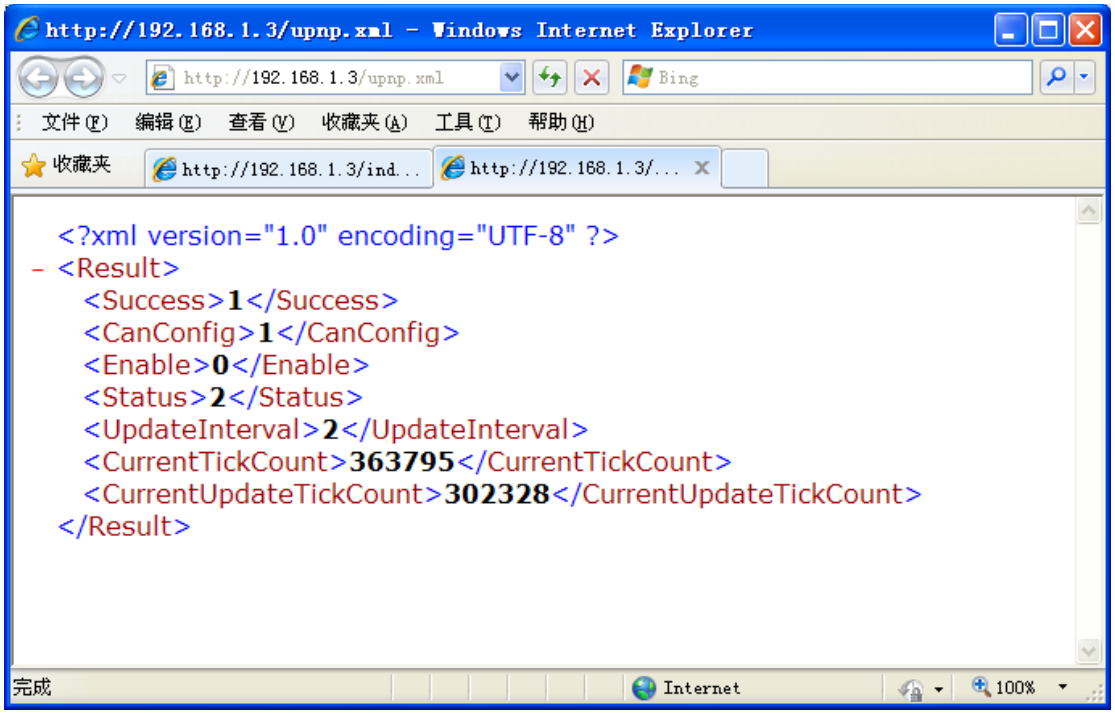
http://192.168.1.3/setddns.xml?enable=1&+ "Provider = dyndns & Ddns = xwpcom.dyndns.org & DdnsUsr = xwpcom & DdnsPwd = xxx & UpdateInterval = 10



ddns account using DdnsUsr pass
ddns the password using DdnsPwd passed

UPnP port mapping

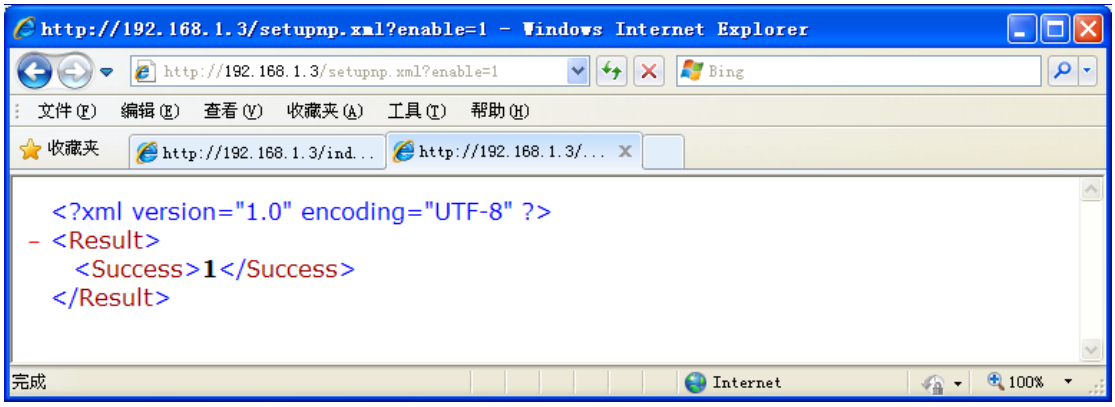
upnp. the xml



return upnp state
Enable: 1 enabled upnp, 0 the disabled upnp
Status: upnp state
0: Initialization
1: Processing
2: Disable
3: initialization
failed:failed
5: Get LAN IP failed
6: successful
UpdateInterval : update interval units: the minutes

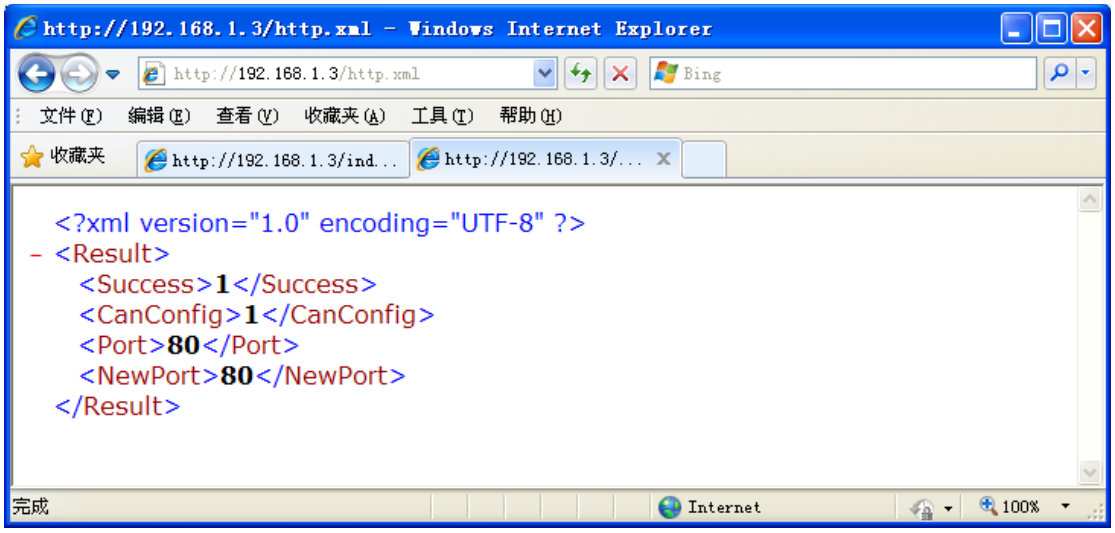
http://192.168.1.3/setupnp.xml?enable=1

setupnp.xml



connected to port

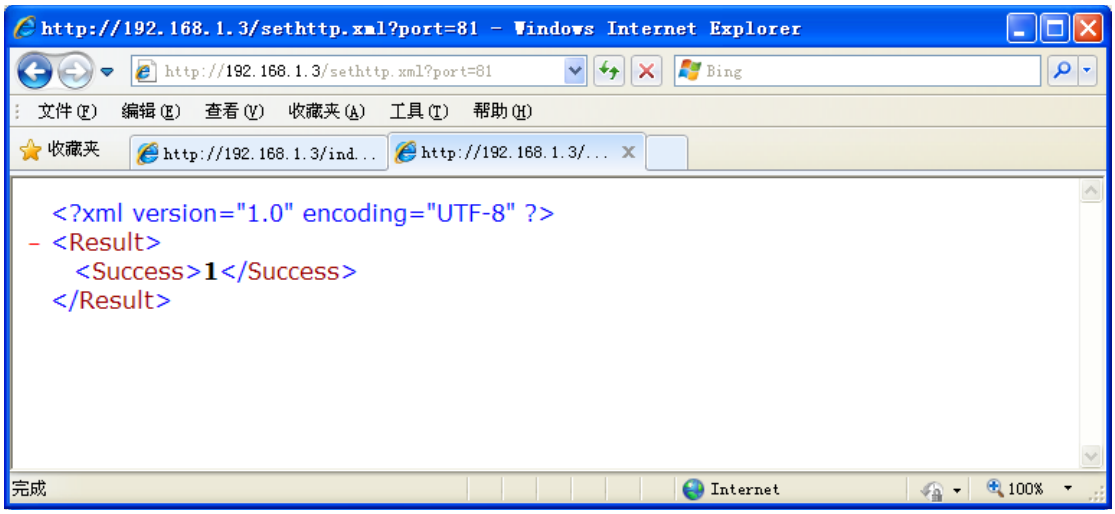
http.xml the



return port
of Port: the ipcam port
NewPort: ipcam be used after the next restart port

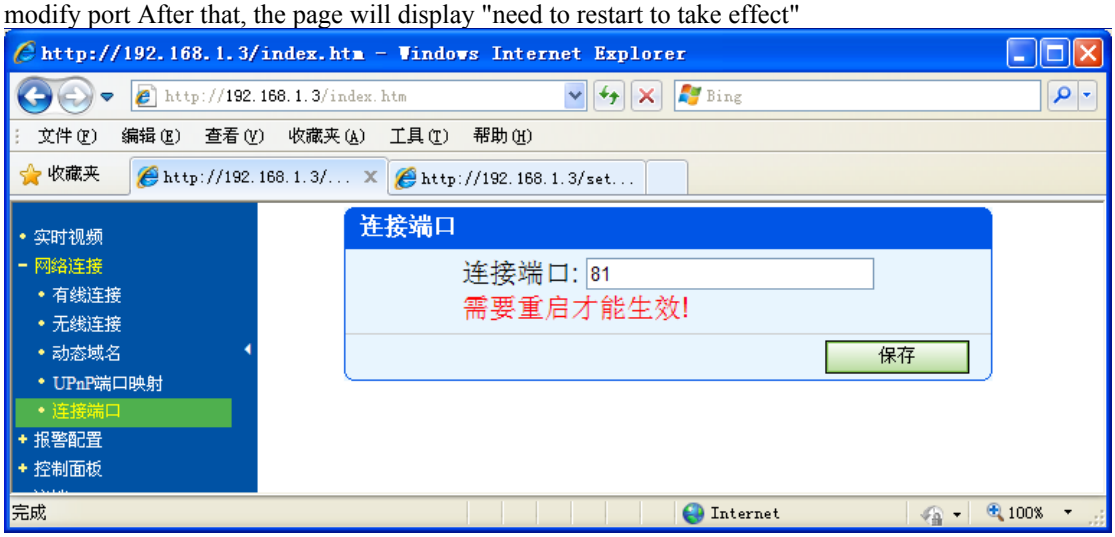
port modify, manually reboot to use the new port, so here at the same time to return to the port and the new sethttp.xml http://192.168.1.3/sethttp.xml?port=81

port.



port: port

modify port After that, the page will display "need to restart to take effect"



motion detection

md.xml

http://192.168.1.3/md.xml


```
<?xml version="1.0" encoding="UTF-8" ?>
- <Result>
  <Success>1</Success>
  <CanConfig>1</CanConfig>
  <Enable>1</Enable>
  <FtpAlarm>0</FtpAlarm>
  <EmailAlarm>0</EmailAlarm>
  <IoOutLinkage>1</IoOutLinkage>
  <HttpAlarm>0</HttpAlarm>
  <Sensitivity>20</Sensitivity>

    <Mask0>00000000000000000000000000000000000000000000000000e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07</Mask0>
  <Mask1>e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07</Mask1>
  <Mask2>e0fffff07e0fffff07e0fffff07e0fffff07e0fffff07e0fffff0700000000000000000000000000000000000000000</Mask2>
  <WeekHourCfg>00000000000000ffffff00000ffffff00000ffffff00000ffffff000000000000000000000000000000</WeekHourCfg>
</Result>
```

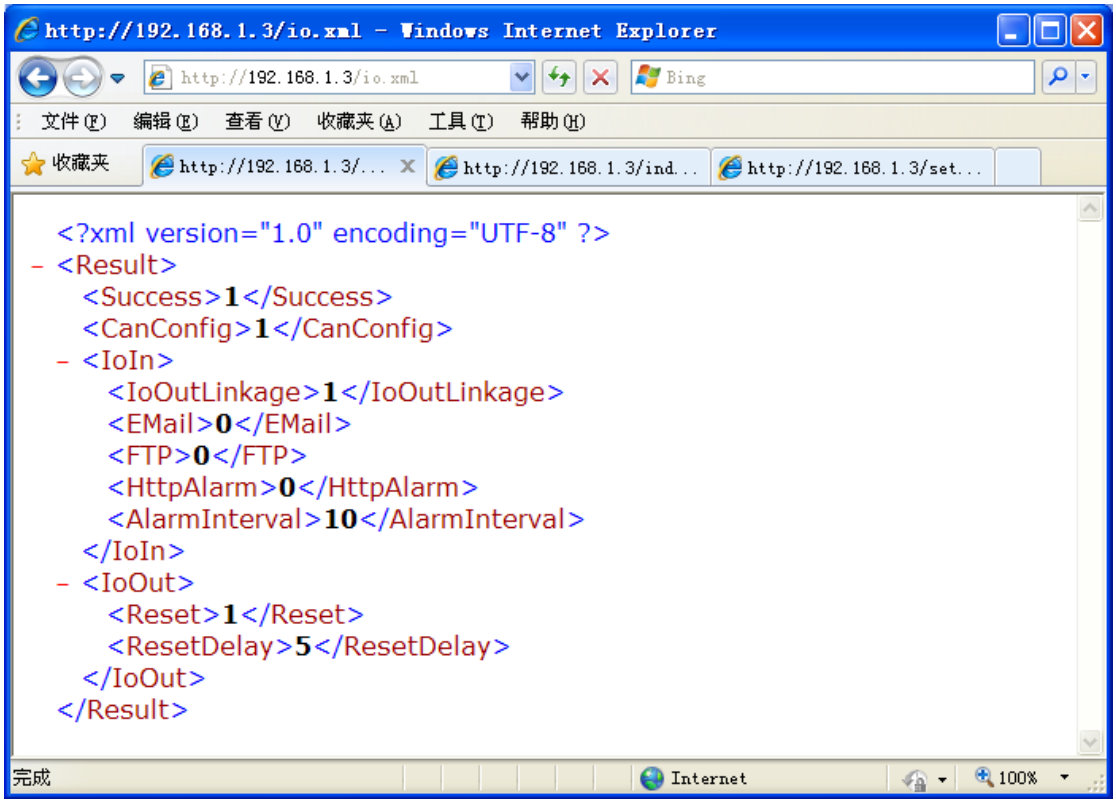

Enable: motion detection function is enabled
FtpAlarm: whether to enable ftp alarm, ftp alarm is in motion is detected upload images to a ftp server.
EmailAlarm: whether to send an alert
email. IoOutLinkage:whether to trigger the IO
level. HttpAlarm:whether to trigger the Web Alarm
Sensitivity: motion detection sensitivity
Mask0, Mask1, Mask2: alarm zone configuration. every one 16x16 macroblock a means to detect this macroblock.
WeekHourCfg: week hours configuration, each represents 30 minutes, each hexadecimal characters 4 the

setmd.xml

set motion detection
parameters and md.xml same

IO configuration

io.xml



the the IoIn node
IoOutLinkage: whether the linkage the IO output port
EMail: the enabled email alarm
Ftp: ftp alarmenabled:
HttpAlarm http alarmenabled:
AlarmInterval alarm interval units: seconds

IoOut node:
Reset: whether the delay automatically clear the output information
ResetDelay: delay time Unit: of seconds


http://192.168.1.3/index.htm - Windows Internet Explorer
http://192.168.1.3/index.htm
文件(F) 编辑(E) 查看(V) 收藏夹(A) 工具(T) 帮助(H)
收藏夹
http://192.168.1.3/ie.xml
http://192.168.1.3/...
http://192.168.1.3/set...
实时视频
网络连接
报警配置
运动检测
IO配置
邮件配置
FTP配置
HTTP报警配置
控制面板
注销
IO配置
IO输入端口
联动IO输出端口
邮件报警
FTP报警
HTTP报警
报警间隔(秒): 10
IO输出端口
延时自动清除输出信号(秒): 5
保存
完成
Internet
100%

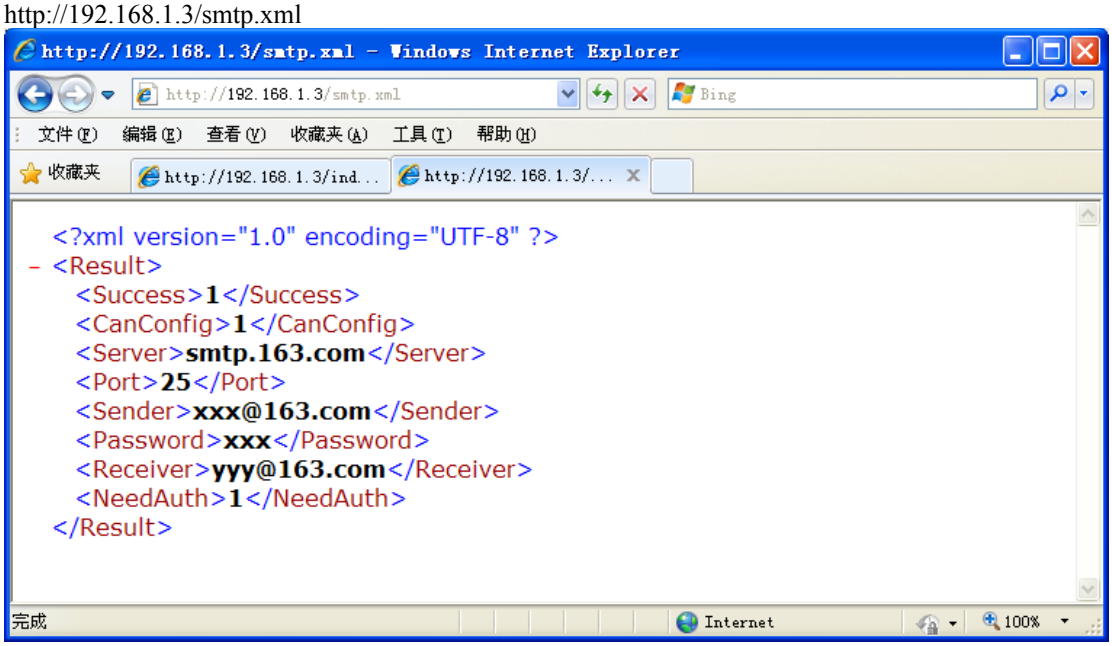
setio.xml

set io configuration
parameters io.xml same

message to to configure

smtp.xml

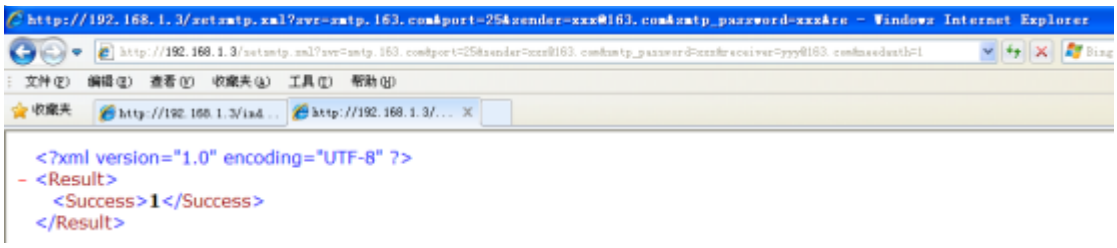
http://192.168.1.3/smtp.xml



Server: email server address
of Port: email server port
Sender: Sender email address
Password: Sender Password the
Receiver: Recipient email address
NeedAuth: 1 indicates that the server requires authentication

http://192.168.1.3/setsmtp.xml?svr=smtp.163.com&port=25&sender=xxx

setsmtp.xml@ 163.com & smtp_password = xxx & receiver = yyy@163.com & needauth = 1

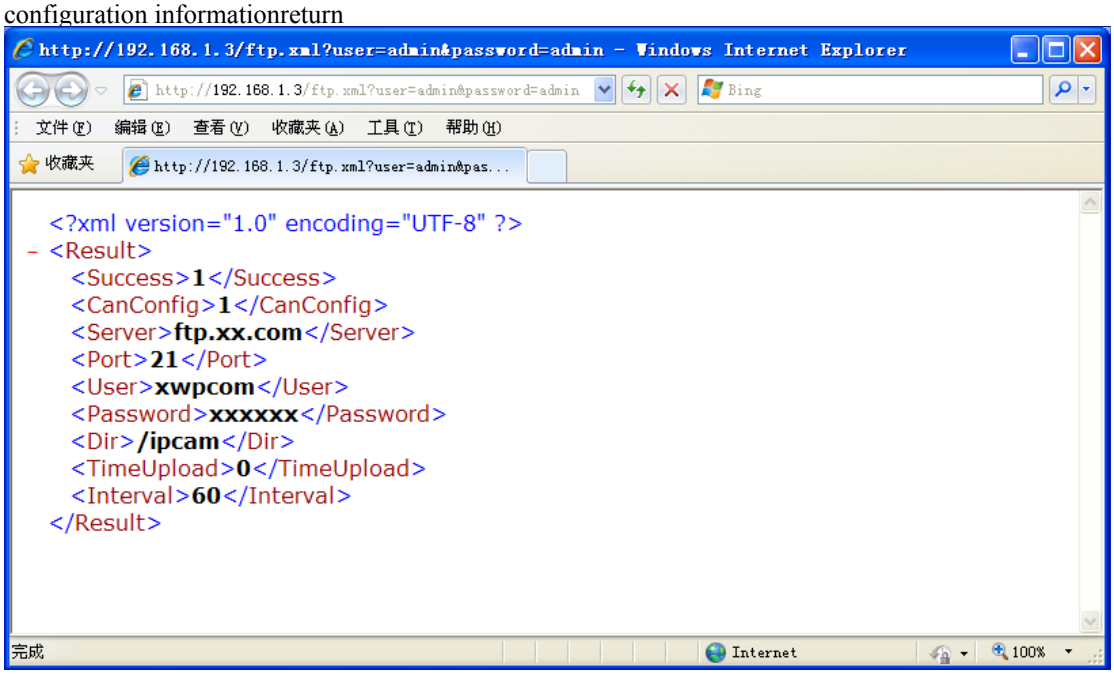


svr: email server address
port: e-mail server port
sender: sender email address
smtp_password: Sender Password
receiver: the recipient email address
NeedAuth: 1 indicates that the server requires authentication

FTPconfiguration

ftp.xml

configuration informationreturn

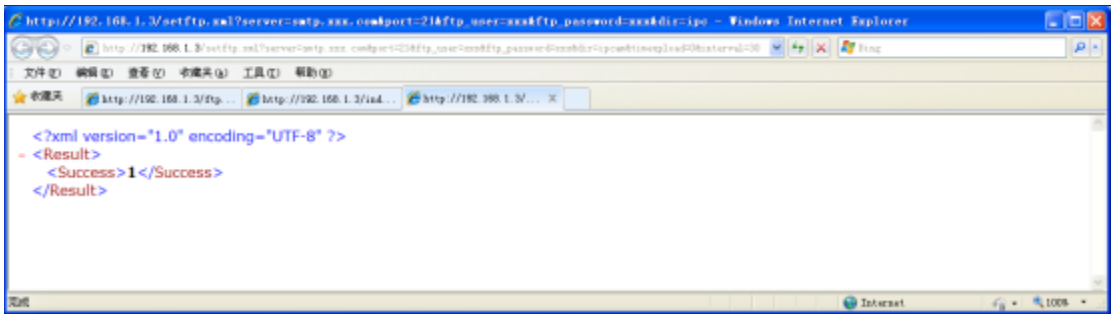


Serverftp:ftp server address
Port: ftp server port, typically 21
User: the ftp account
Password: ftp password
Dir: folder
TimeUpload: 1 to enable the timing upload pictures
Interval: uploaded regularly between pictures number of seconds

setftp.xml

modify ftpconfigure
http://192.168.1.3/setftp.xml?server=smtp.xxx.com&port=21&ftp_user=xxx&ftp_password=xxx&dir=ipcam&timeupload=0&interval=30

parameters andftp.xml ofthe same basicthe same, the only difference the that account using ftp_user passed password using ftp_password pass this to avoid the authentication of the user and password name conflict

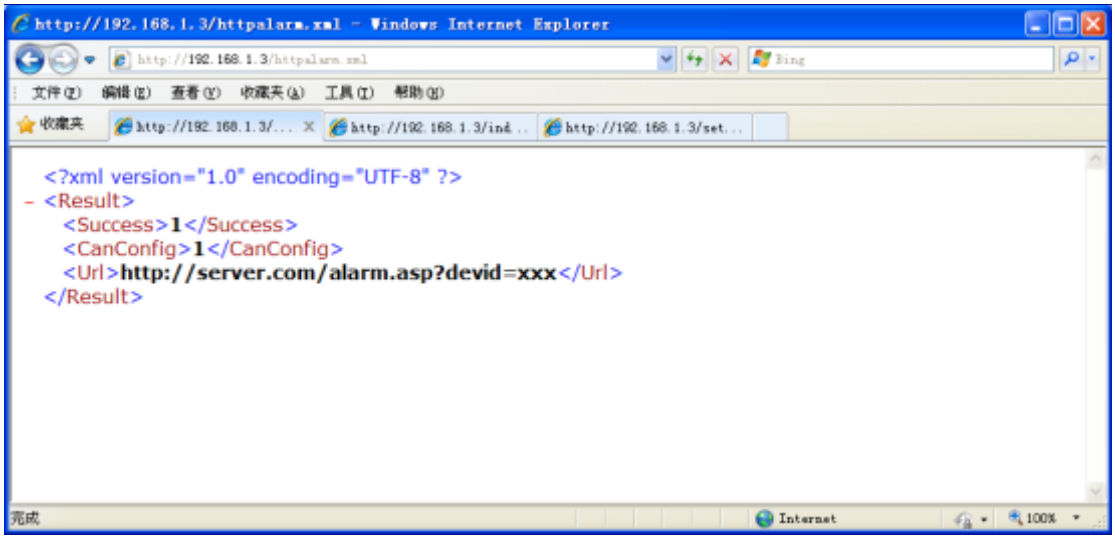


HTTP alarm configuration

HTTP alarm is when there is an alarm, connected to the specified HTTP server and upload some parameters.
do linkage processing HTTP server to receive this data, such as crawl IPCam picture notify users

httpalarm.xml

http://192.168.1.3/httpalarm.xml



Url: the httpserver alarm address

sethttpalarm.xml

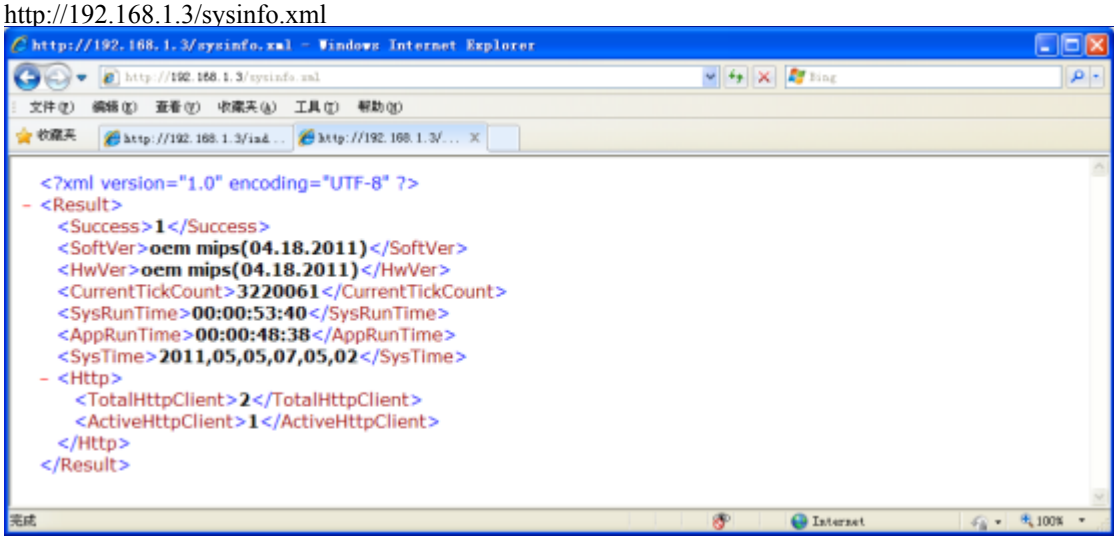
modify HTTP alarm address

http://192.168.1.3/sethttpalarm.xml?url=www.server.com/page.asp

system information

sysinfo.xml

returns the system information
http://192.168.1.3/sysinfo.xml

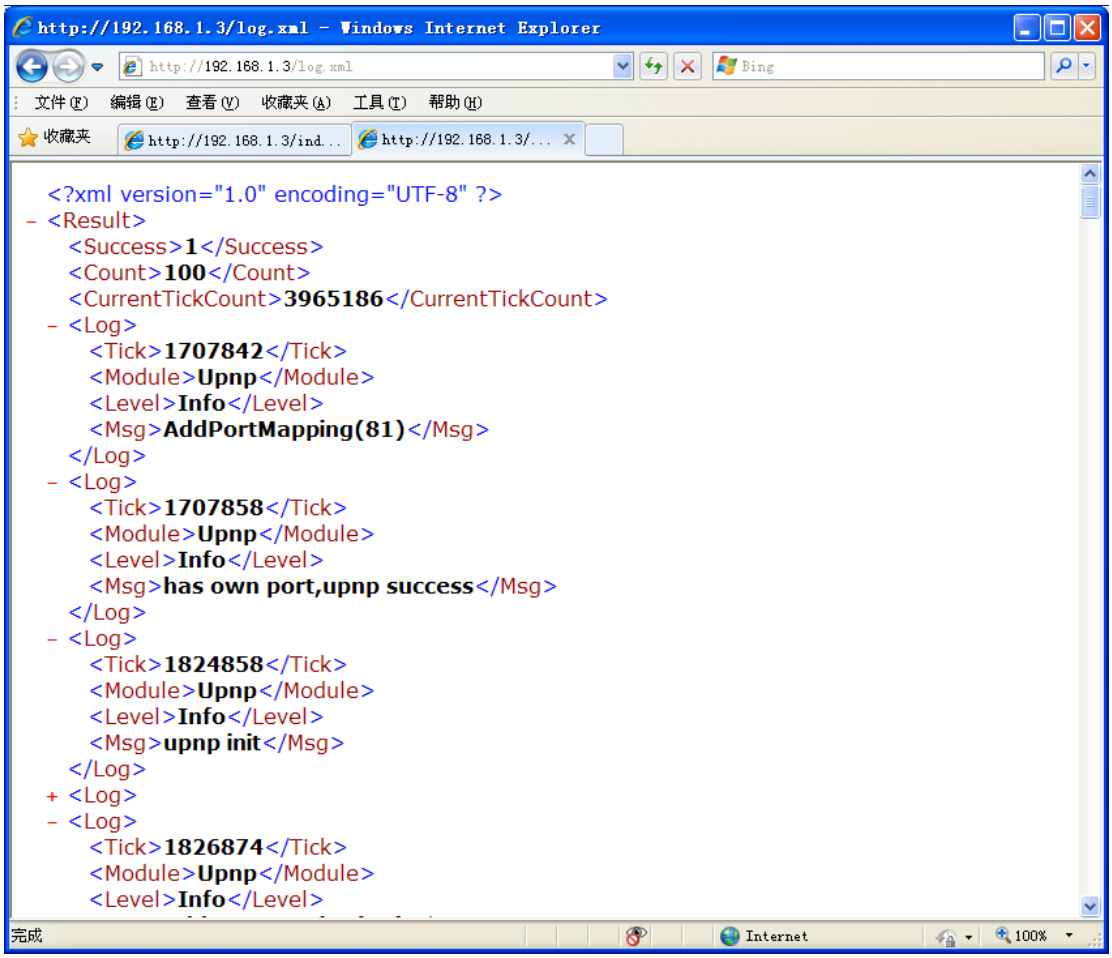


SoftVer: software version
HwVer: hardware version
SysRunTime: board end time
AppRunTime: Firmware main program run-time format (number of days: hours: minutes: the number of seconds)
SysTime: IPCam system time

event View

log.xml

returns log ipcam run, to facilitate the diagnosis of cause of error http://192.168.1.3/log.xml



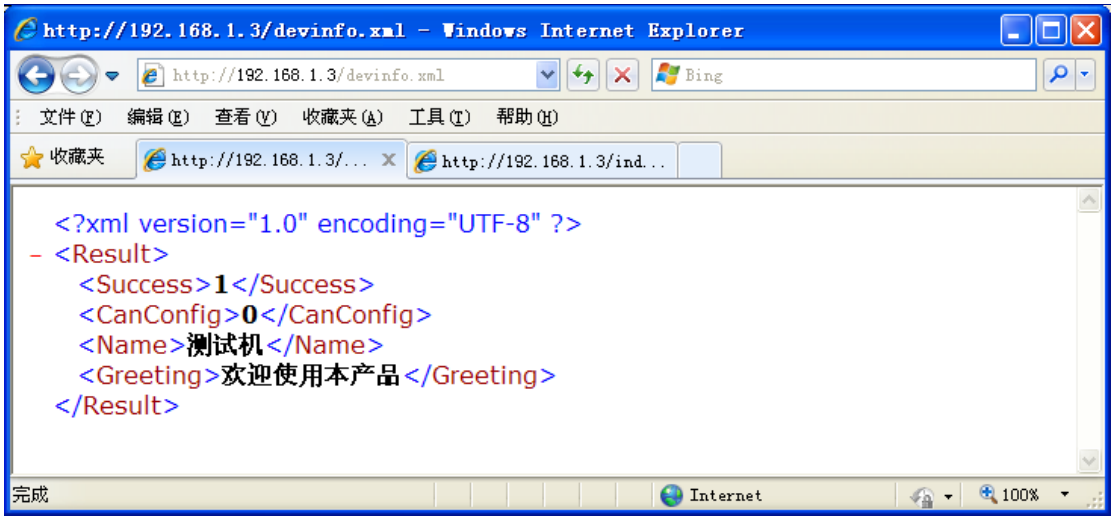
Tick: the timeevents:
Module of Events Module
Level: the Event Level
Msg: event description the

device information

devinfo.xml

return to basic device information

http://192.168.1.3/devinfo. xml



Name: device name will appear in the login page, can also display the search tool.
Greeting: greeting displayed on the login page, you can use it to add some descriptive information.

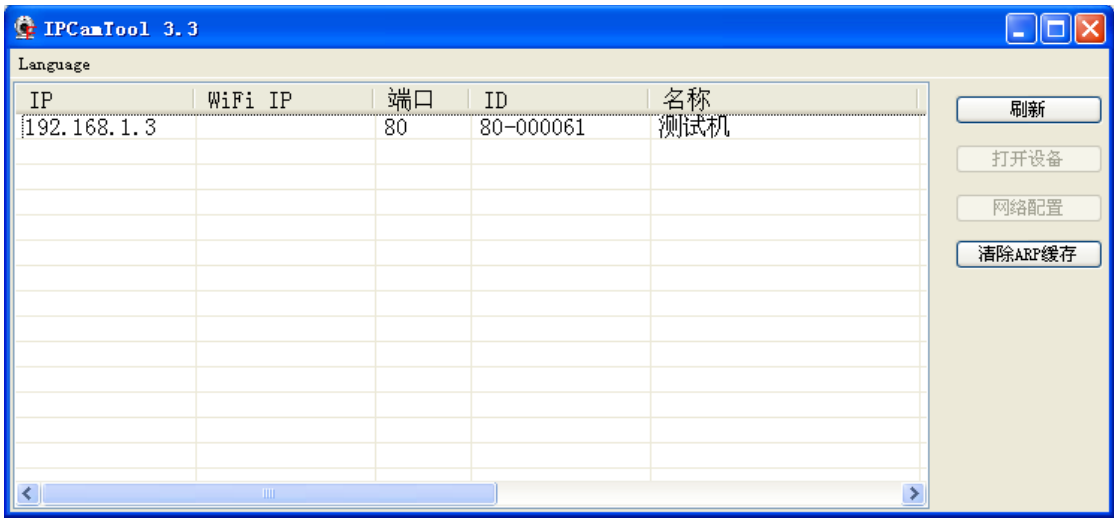
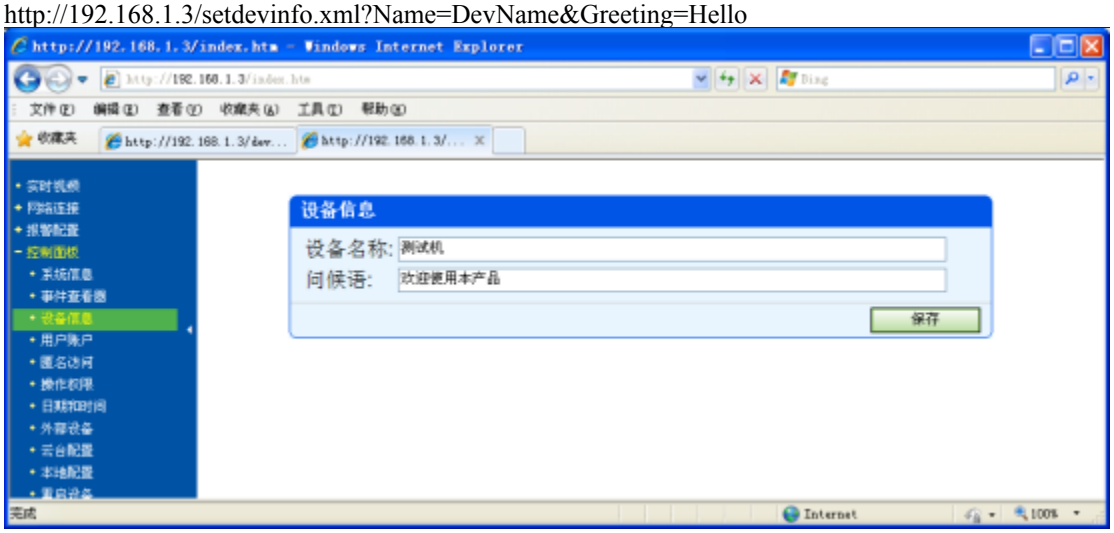


figure above search tool shows the device setdevinfo

name.. xml the the

modify equipment information
http://192.168.1.3/setdevinfo.xml?Name=DevName&Greeting=Hello



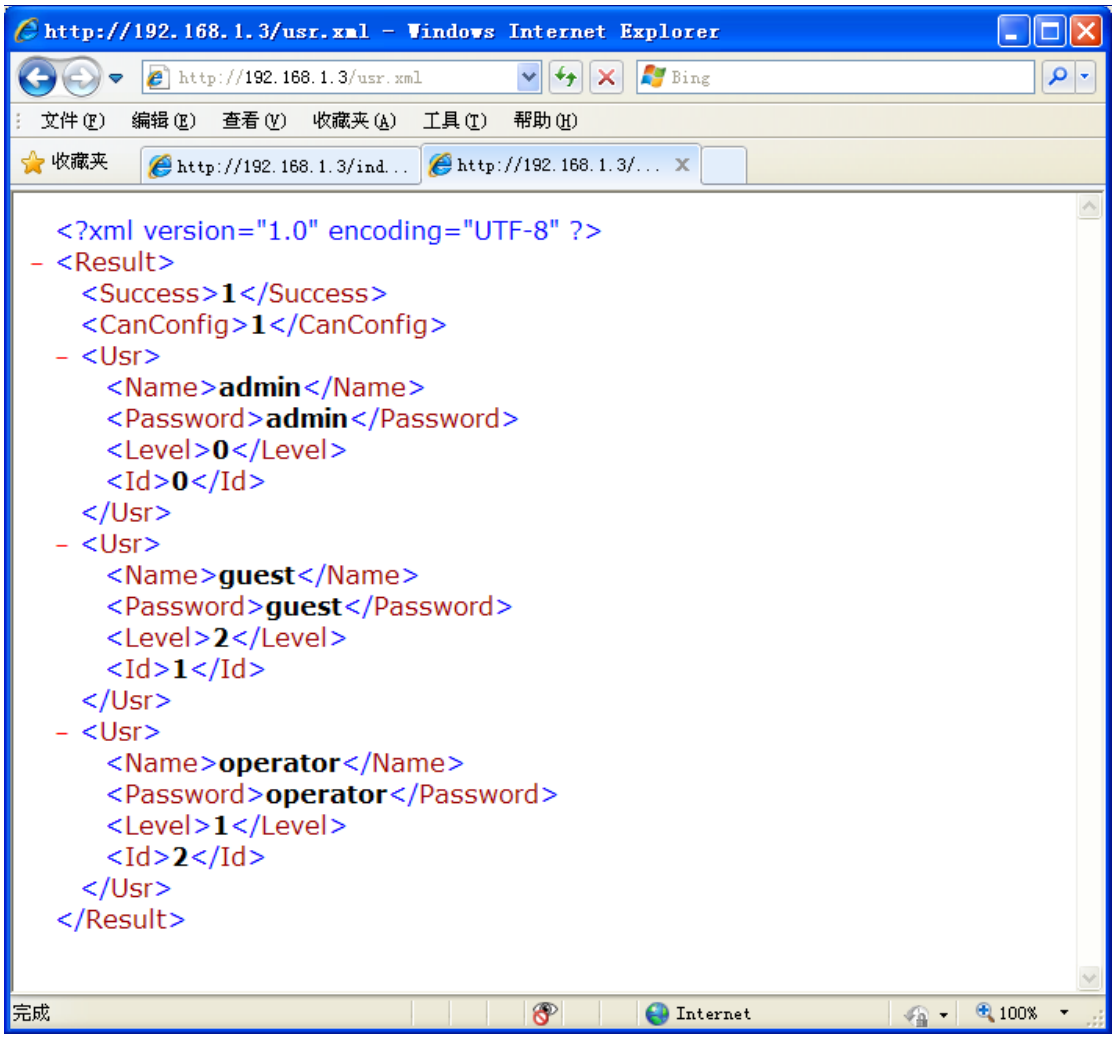
Name: the device names
Greeting: Greetings

Description:
Chinese string to UTF-8 encoding. the

user account

usr.xml

return equipment alluser account information
http://192.168.1.3/usr.xml



saidUsr the User Node
Name: username
Password: password
Level: the user Level
0: Administrator
1: Operator
2: Visitors
Id: the unique identifier for each user, Since the the username only user name to uniquely identify a user,, therefore delusr.xml and editusr.xml do not use this Id

delusr.xml

removes the specified user

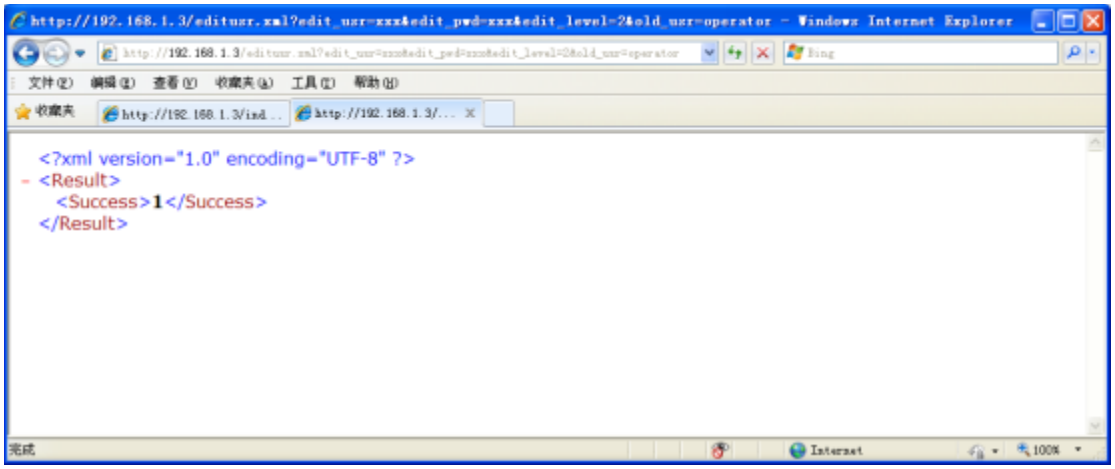
http://192.168.1.3/delusr.xml?del_usr = the

guest del_usr:To delete a username

editusr.xml of

new users, or modify user name, password and user level

http://192.168.1.3/editusr.xml?edit_usr=xxx&edit_pwd=xxx&edit_level=2&old_usr=operator



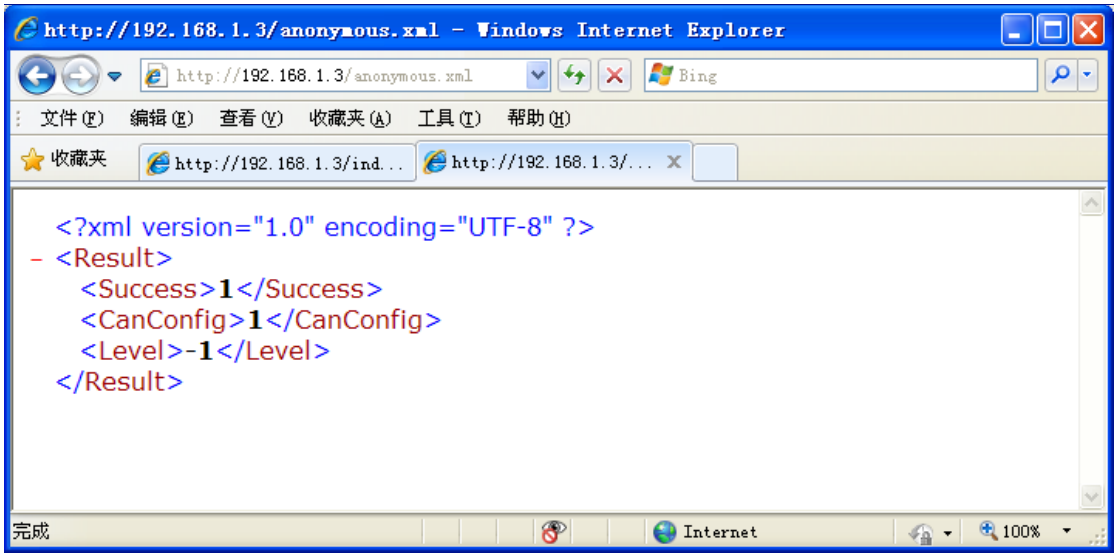
when old_usr is empty , said the new users
otherwise said the modify old_usr configuration
edit_user: new user name
edit_pwd: new user password
edit_level: new user level

Anonymous access

anonymous.xml

Anonymousvisit the not enter a user name and password, and whether to allow the user to access ipcam well to the identity of the anonymous user level
some occasions, I hope ipcam be all user access for the convenience of the user, there is no need to provide a user name and password to access to enable anonymous access
other occasions recommended to disable anonymous http://192.168

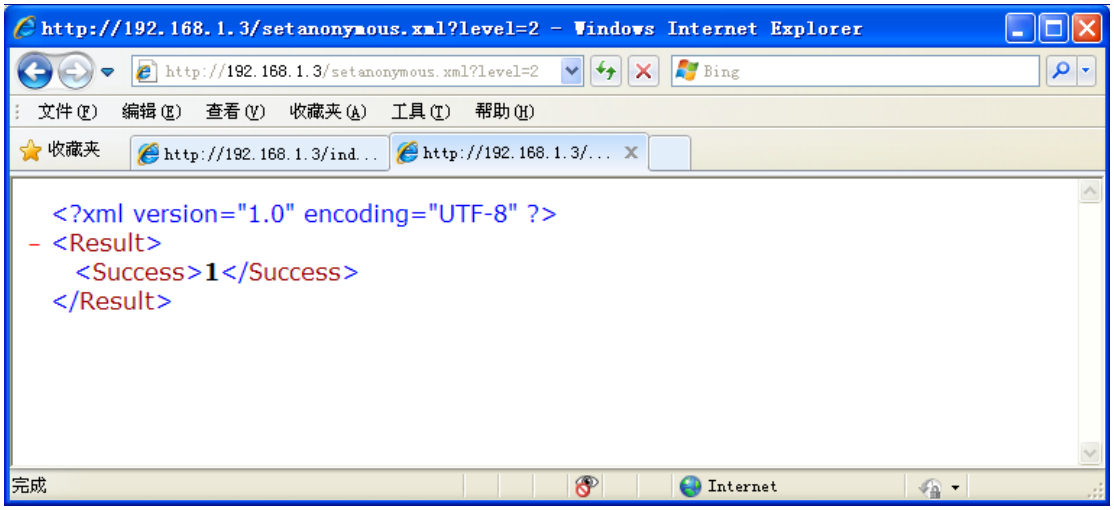
access..1.3/anonymous.xml



Level: -1:
Disable
0:
Administrator:Operator
2: Visitors

setanonymous.xml

http://192.168.1.3/setanonymous.xml?level=2

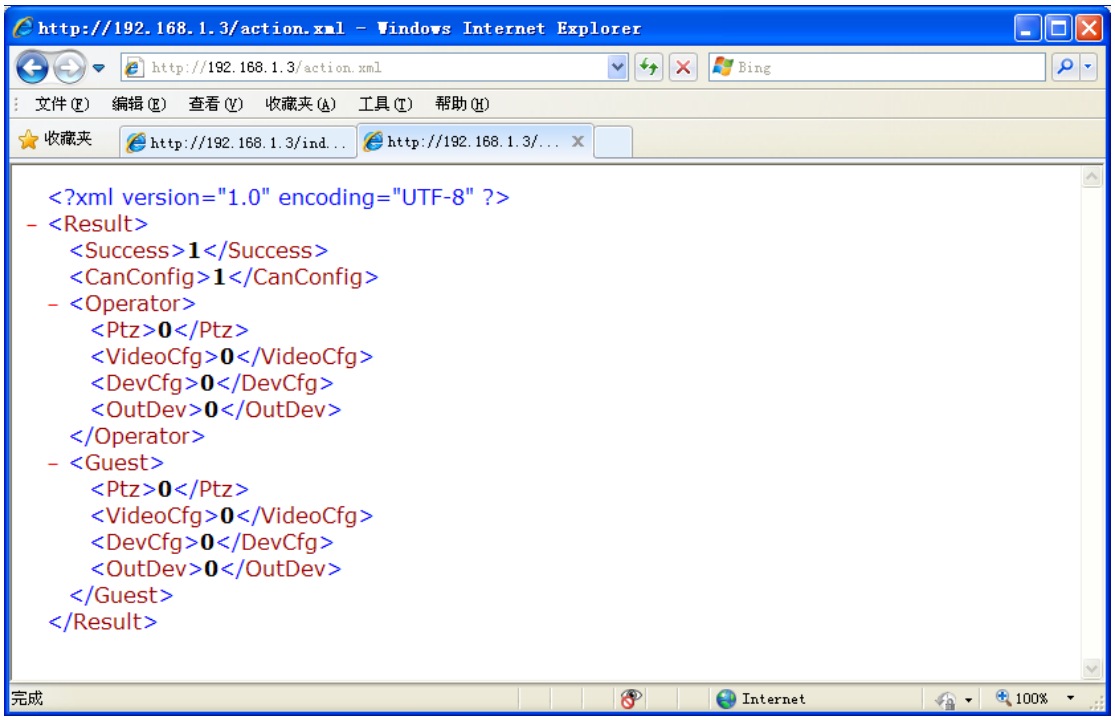


level: Set the anonymous access user identity level

the operating authority

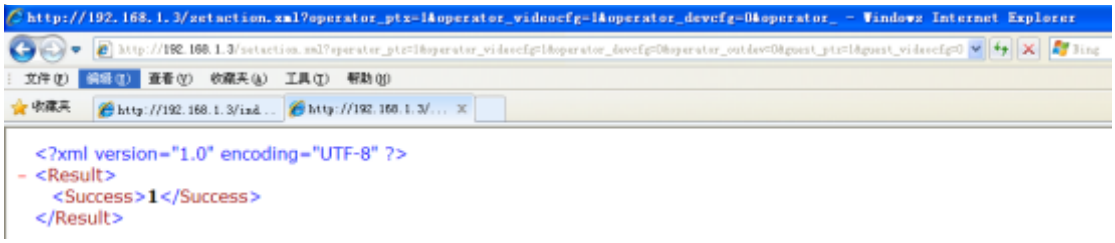
action.xml

return the permission of the operator and visitors
setaction.xml http://192.168.1.3/setaction.xml?operator_ptz=1&operator_videocfg=1&operator_devcfg=0&operator_outdev=0&guest_ptz=1&guest_videocfg



http://192.168.1.3/action.xml

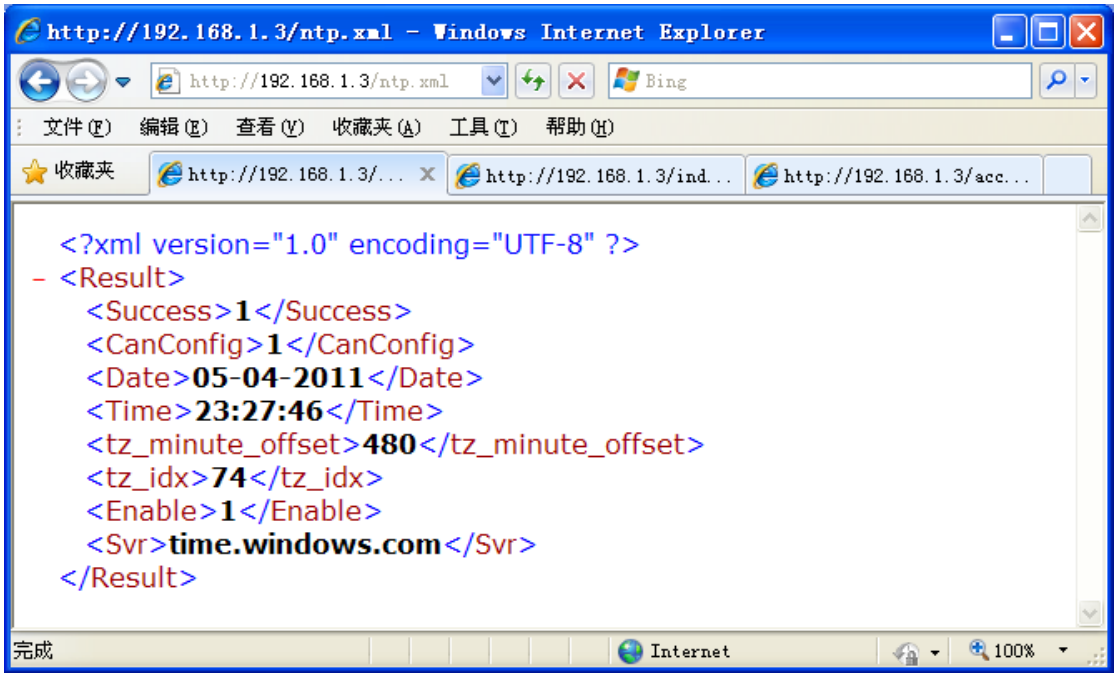
= & guest_devcfg = 0 & guest_outdev = 0 operator_xxx



0is the operator privileges
guest_xxx visitors permissions

date and time

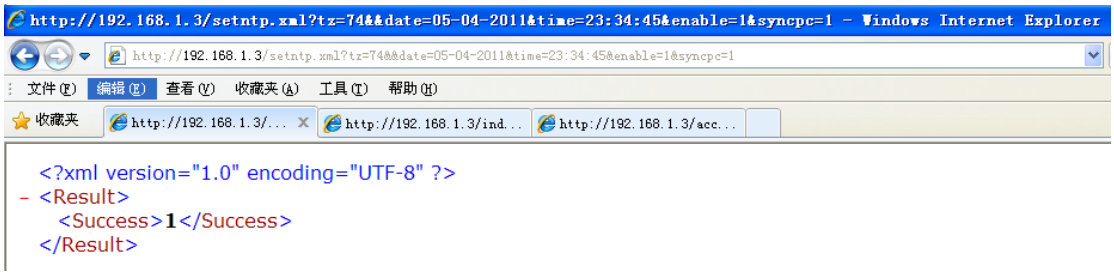
ntp.xml



Date of IPCam Current Date
Time the IPCam the current time
tz_minute_offset is the time zone offset, units of minutes. example, China time zone is GMT +08:00 so its value is 480 tz_idx
minutes.time zone subscript, reference the www / tool.js time zone string
Enable 1 to enable NTP time
Svr NTP server

http://192.168.1.3/setntp.xml

setntp.xml? = 74 && date = 05-04-2011 & time = 23:34:45 & enable = 1 & syncpc = 1 tz

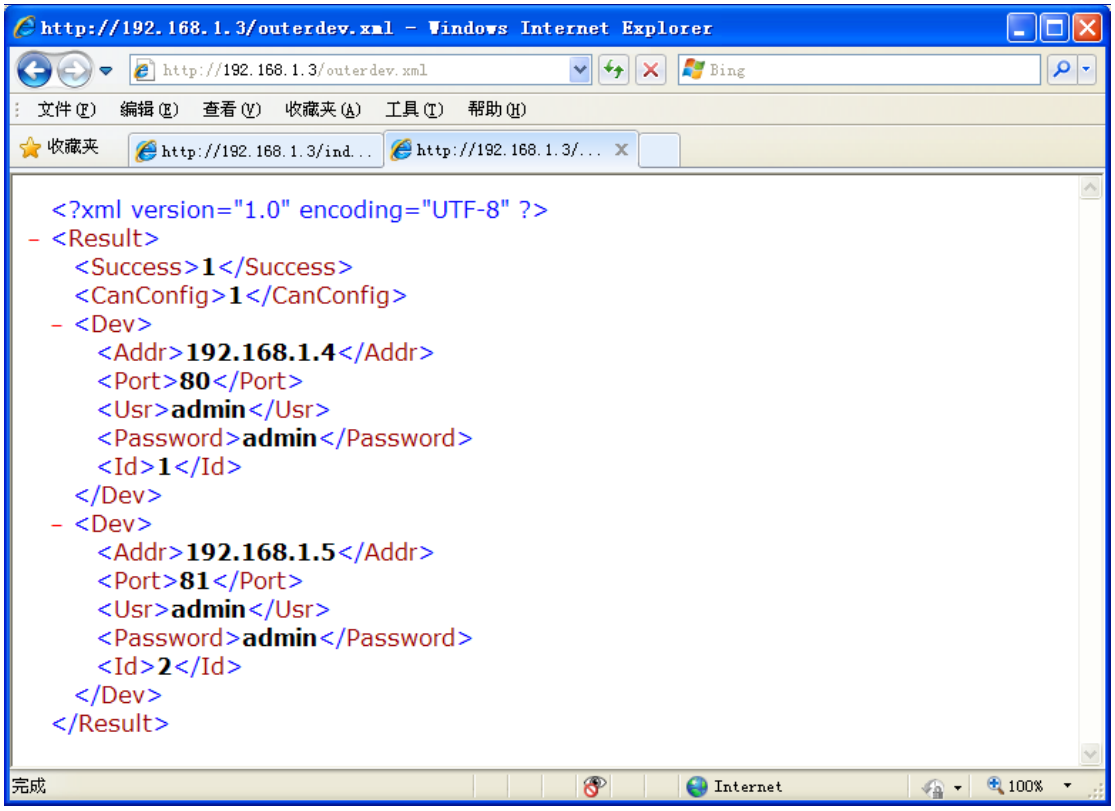


tztime zone the subscript
syncpc to 1 indicates PC time synchronize

external equipment

http://192.168.1.3/outerdev.xml

outerdev.xml

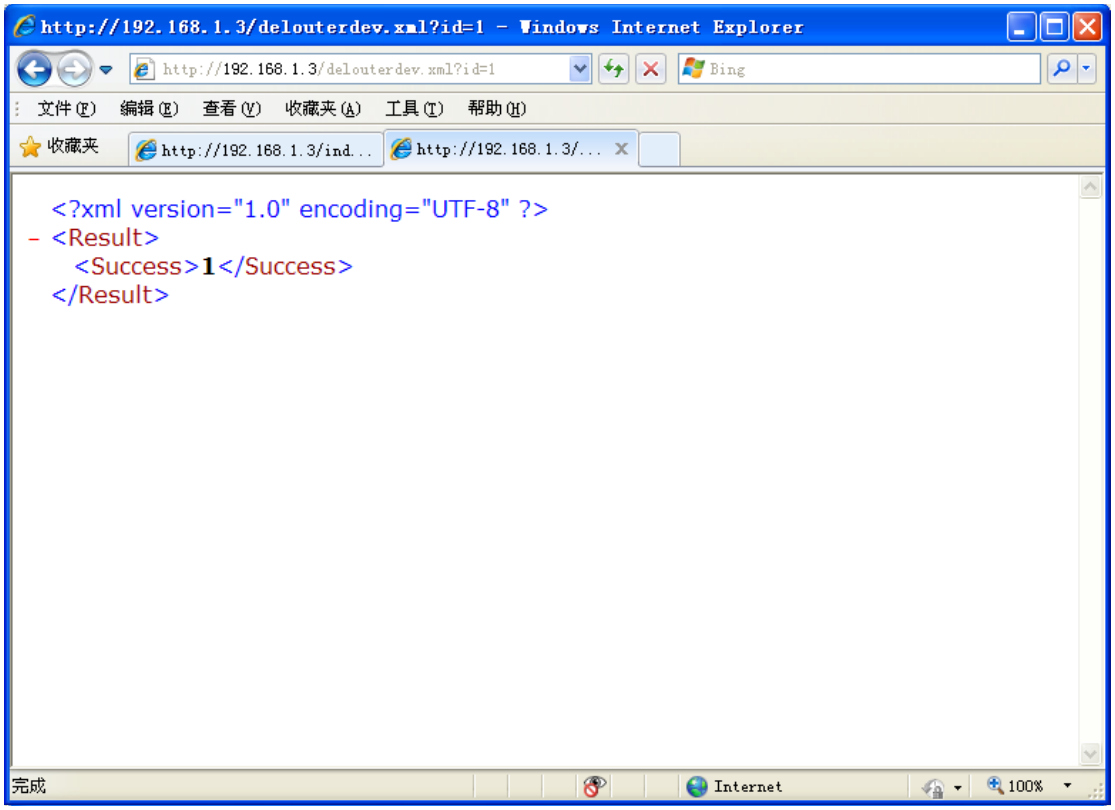


Dev : external device nodes
Addr: Device Address
Port: device port
Usr: username
Password: password
Id: the QIPCAM do uniquely identifies this external device, this Id for DelOuterDev.xml, and EditOuterDev.xml

delouterdev.xml only to

delete the specified external the equipment
http://192.168.1.3/delouterdev.xml?id=1

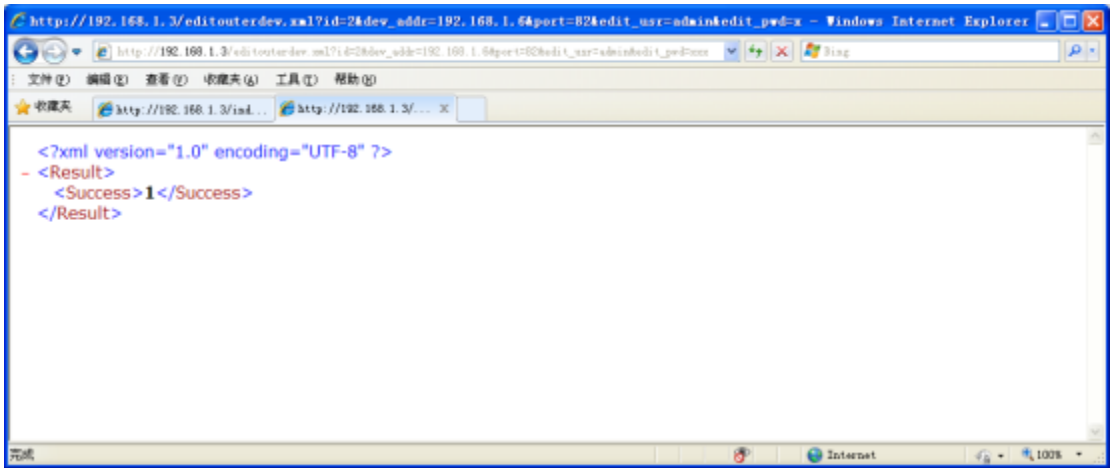
id is returned by the outerdev.xml



editouterdev.xml

modify the external device configuration

http://192.168.1.3/editouterdev.xml?id=2&dev_addr=192.168.1.6 & port = 82 & edit_usr = admin & edit_pwd = xxx

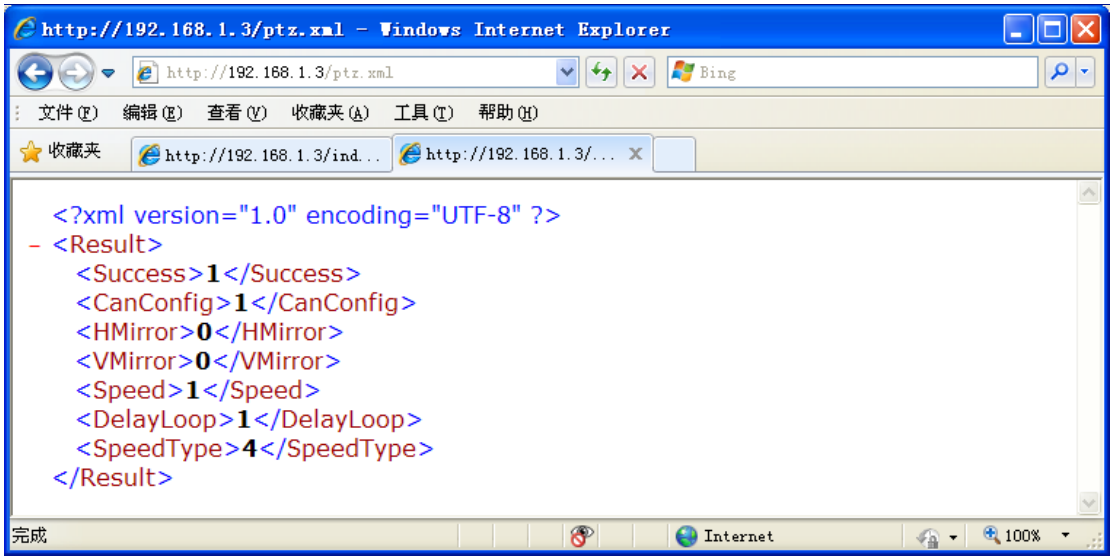


id: a device identificationby outerdev.xml
dev_addrreturn:device address
port: The device port
edit_usr: device users
edit_pwd: the device password

PTZ configuration

http://192.168.1.3/ptz.xml

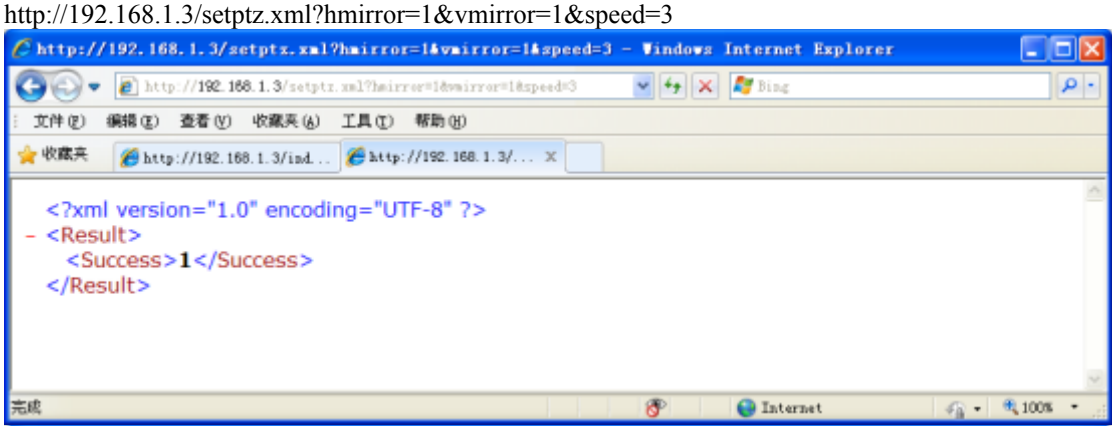
ptz.xml



HMirror: level reverse
VMirror: vertical inverse
Speed: the PTZ the speed
DelayLoop and SpeedType meaningless. the

setptz.xml

http://192.168.1.3/setptz.xml?hmirror=1&vmirror=1&speed=3



local configuration

local configuration is saved in the browser cookies, please refer to the the www / local.htm file. the

restart the reboot.xml

IPCam

restart equipment the

FTP server

ftpserver.xml

whether to enable the built-in the ftp server

setftpserver.xml

http://192.168.1.3/setftpserver.xml?enable = 1

recovery factory defaults

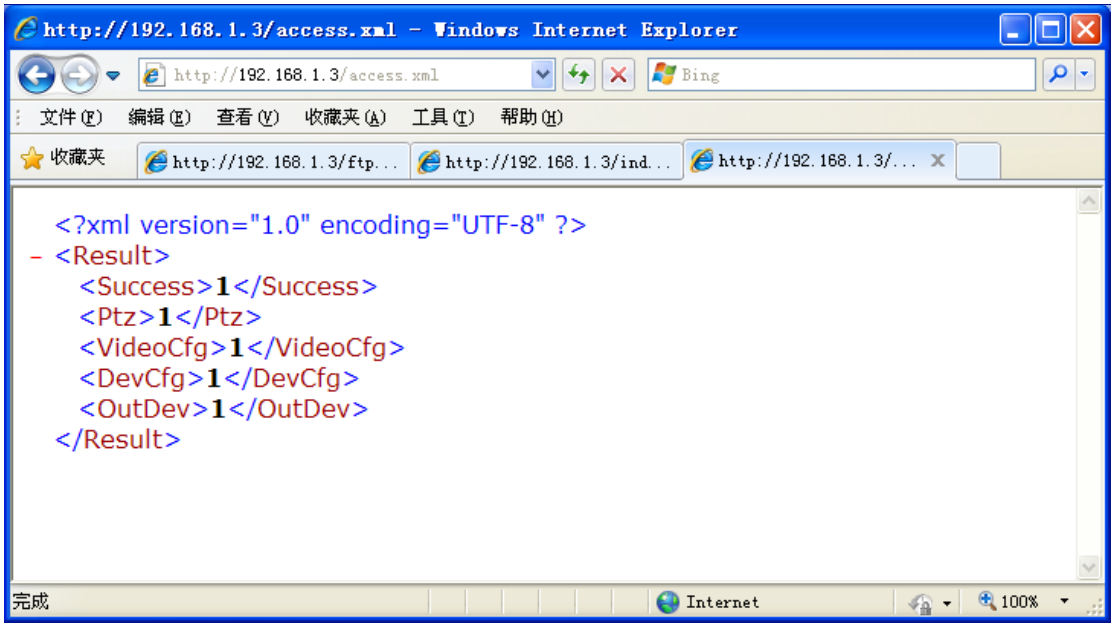
reset.xml

to set the configuration back to the factory defaults

the current user the operating privileges

access.xml

return the current user's operating authority
is currently operating authority is divided into the following categories:
Ptz: to 1 can operate cloud The station
VideoCfg: able to modify the video parametersto
DevCfg: equipment parameter configurationto 1
OutDev: can access of the IPCam the external device for 11.



cmd.xml instruction

cmd.xml integration of many sub-functions, the specific usage please refer to www / mobile.htm.

The mobile the PTZ

moveptz
cmd.xml? The cmd = moveptz & tick = 100 & dir = the "+ event.srcElement.id +" & nPtzTimes = "+ g_ptzTimes + +;

Switch to the VGA

cmd.xml? Cmd = setvga &" + g_nIndex + +;

switch to QVGA

cmd.xml? Cmd in = setqvga & "+ g_nIndex + +; the the

horizontal mirror

cmd.xml? cmd = invertmirror & dir = hor &" + g_nIndex + +;

vertical flip

cmd.xml? cmd = invertmirror & dir = vert & "+ g_nIndex + +;