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NOTE: In this document the curl application (available from <https://curl.haxx.se/>) and is the since Windows .exe. The `--digest --user <ANT-3000 username>:<ANT-36000 password>` and the quotes around the `http` commands are required to enable curl to access the ANT-36000.

Require commands to remotely setup Camera as ONVIF

4 commands are required.

1. sets up the ONVIF camera information in the ANT-36000
2. Gets the ONVIF profiles from the camera
3. Reads back the ONVIF profiles and, if using DOS, are displayed in the are the command is executed.

NOTE: The user has to manual select the ONVIF profile number to be used in the next command. The user could select 0 everytime, but if this profile is for a higher resolution image than the ANT-36000 can display, then the ANT-36000 will not display properly

4. Applys the ONVIF profile and ONVIF camera information in the ANT-36000

For details of the API commands please refer to the documents in the SDK folder of the downloads section for the ANT-36000 on the Antrica website.

Set up camera details

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_<Remote #>=4&RMT_PROTOCOL_<Remote #>=0&RMT_DOMAINNAME_<Remote #>=<camera IP>&RMT_REMOTEPORT_<Remote #>=<ONVIF port>&RMT_SSUSER_<Remote #>=<camera username>&RMT_SSPASS_<Remote #>=<camera password>&RMT_ONVIF_PROF_CURR_<Remote #>=<ONVIF profile>&RMT_SWDISABLE_<Remote #>=1"
```

get ONVIF profiles from camera

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_TMP=<camera IP>&RMT_REMOTEPORT_TMP=<ONVIF port>&RMT_SSUSER_TMP=<camera username>&RMT_SSPASS_TMP=<camera password>"
```

readback ONVIF profiles

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/ReadParam?action=readpage&page=profilelisttemp_<Remote #>"
```

Configure camera to use selected ONVIF profile

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_<Remote #>=4&RMT_PROTOCOL_<Remote #>=0&RMT_DOMAINNAME_<Remote #>=<camera IP>&RMT_REMOTEPORT_<Remote #>=<ONVIF port>&RMT_SSUSER_<Remote #>=<camera username>&RMT_SSPASS_<Remote #>=<camera password>&RMT_ONVIF_PROF_CURR_<Remote #>=<ONVIF profile>&RMT_SWDISABLE_<Remote #>=1&RMT_PROFILEUPDATED_<Remote #>=1"
```

Commands line by line

A breakdown of the commands is shown below:

Set up camera details

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/WriteParam?action=writeparam
&RMT_REMOTETYPE_<Remote #>=4
&RMT_PROTOCOL_<Remote #>=0
&RMT_DOMAINNAME_<Remote #>=<camera IP>
&RMT_REMOTEPORT_<Remote #>=<ONVIF port>
&RMT_SSUSER_<Remote #>=<camera username>
&RMT_SSPASS_<Remote #>=<camera password>
&RMT_ONVIF_PROF_CURR_<Remote #>=<ONVIF profile>
&RMT_SWDISABLE_<Remote #>=1"
```

get ONVIF profiles from camera

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/WriteParam?action=writeparam
&RMT_DOMAINNAME_TMP=<camera IP>
&RMT_REMOTEPORT_TMP=<ONVIF port>
&RMT_SSUSER_TMP=<camera username>
&RMT_SSPASS_TMP=<camera password>"
```

readback ONVIF profiles

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/ReadParam?action=readpage
&page=profilelisttemp_<Remote #>"
```

Configure camera to use selected ONVIF profile

```
curl --digest --user <ANT-3000 username>:<ANT-36000 password> "http://<ANT-36000 IP>/httpapi/WriteParam?action=writeparam
&RMT_REMOTETYPE_<Remote #>=4
&RMT_PROTOCOL_<Remote #>=0
&RMT_DOMAINNAME_<Remote #>=<camera IP>
&RMT_REMOTEPORT_<Remote #>=<ONVIF port>
&RMT_SSUSER_<Remote #>=<camera username>
&RMT_SSPASS_<Remote #>=<camera password>
&RMT_ONVIF_PROF_CURR_<Remote #>=<ONVIF profile>
&RMT_SWDISABLE_<Remote #>=1
&RMT_PROFILEUPDATED_<Remote #>=1"
```

Examples

In the table below are 4 sets of example values, these are used in the examples below. The "Camera" section of the table refers to the Network -> Remote page of the web GUI. The remote row 0 ~ 3 corresponds to Remote #1 ~ Remote #4 in the GUI

ANT-36000	address	192.168.0.101	10.11.12.13	192.168.0.101	192.168.0.101
	username	admin	admin	admin	admin
	password	1234	1234	1234	1234
camera	remote	0	1	2	3
	Address	192.168.0.172	192.168.0.184	192.168.0.183	192.168.0.227
	port	80	2000	80	1234
	ID	admin	ID	user1	camera12
	password	a1b2c3d4	pw	fred12	c12passwd
	profile	0	1	2	3

Example 1

```
curl --digest --user admin:1234
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_0=4
&RMT_PROTOCOL_0=0&RMT_DOMAINNAME_0=192.168.0.172&RMT_REMOTEPORT_0=
80&RMT_SSUSER_0=admin&RMT_SSPASS_0=a1b2c3d4&RMT_ONVIF_PROF_CURR_0=0
&RMT_SWDISABLE_0=1"
```

```
curl --digest --user admin:1234
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_TM
P=192.168.0.172&RMT_REMOTEPORT_TMP=80&RMT_SSUSER_TMP=admin&RMT_SSPA
SS_TMP=a1b2c3d4"
```

```
curl --digest --user admin:1234
"http://192.168.0.101/httpapi/ReadParam?action=readpage&page=profilelisttemp_0"
```

```
curl --digest --user admin:1234
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_0=4
&RMT_PROTOCOL_0=0&RMT_DOMAINNAME_0=192.168.0.172&RMT_REMOTEPORT_0=
80&RMT_SSUSER_0=admin&RMT_SSPASS_0=a1b2c3d4&RMT_ONVIF_PROF_CURR_0=0
&RMT_SWDISABLE_0=1&RMT_PROFILEUPDATED_0=1"
```

Example 2

```
curl --digest --user admin:1234
"http://10.11.12.13/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_1=4&R
MT_PROTOCOL_1=0&RMT_DOMAINNAME_1=192.168.0.184&RMT_REMOTEPORT_1=200
0&RMT_SSUSER_1=ID&RMT_SSPASS_1=pw&RMT_ONVIF_PROF_CURR_1=1&RMT_SWD
ISABLE_1=1"
```

```
curl --digest --user admin:1234
"http://10.11.12.13/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_TMP=
192.168.0.184&RMT_REMOTEPORT_TMP=2000&RMT_SSUSER_TMP=ID&RMT_SSPASS_T
MP=pw"
```

```
curl --digest --user admin:1234
"http://10.11.12.13/httpapi/ReadParam?action=readpage&page=profilelisttemp_1"
```

```
curl --digest --user admin:1234
"http://10.11.12.13/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_1=4&R
MT_PROTOCOL_1=0&RMT_DOMAINNAME_1=192.168.0.184&RMT_REMOTEPORT_1=200
```

```
0&RMT_SSUSER_1=ID&RMT_SSPASS_1=pw&RMT_ONVIF_PROF_CURR_1=1&RMT_SWDISABLE_1=1&RMT_PROFILEUPDATED_1=1"
```

Example 3

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_2=4  
&RMT_PROTOCOL_2=0&RMT_DOMAINNAME_2=192.168.0.183&RMT_REMOTEPORT_2=80  
&RMT_SSUSER_2=user1&RMT_SSPASS_2=fred12&RMT_ONVIF_PROF_CURR_2=2&RMT_SWDISABLE_2=1"
```

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_TMP=192.168.0.183  
&RMT_REMOTEPORT_TMP=80&RMT_SSUSER_TMP=user1&RMT_SSPASS_TMP=fred12"
```

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/ReadParam?action=readpage&page=profilelisttemp_2"
```

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_2=4  
&RMT_PROTOCOL_2=0&RMT_DOMAINNAME_2=192.168.0.183&RMT_REMOTEPORT_2=80  
&RMT_SSUSER_2=user1&RMT_SSPASS_2=fred12&RMT_ONVIF_PROF_CURR_2=2&RMT_SWDISABLE_2=1  
&RMT_PROFILEUPDATED_2=1"
```

Example 4

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_3=4  
&RMT_PROTOCOL_3=0&RMT_DOMAINNAME_3=192.168.0.227&RMT_REMOTEPORT_3=1234  
&RMT_SSUSER_3=camera12&RMT_SSPASS_3=c12passwd&RMT_ONVIF_PROF_CURR_3=3  
&RMT_SWDISABLE_3=1"
```

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_DOMAINNAME_TMP=192.168.0.227  
&RMT_REMOTEPORT_TMP=1234&RMT_SSUSER_TMP=camera12&RMT_SSPASS_TMP=c12passwd"
```

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/ReadParam?action=readpage&page=profilelisttemp_3"
```

```
curl --digest --user admin:1234  
"http://192.168.0.101/httpapi/WriteParam?action=writeparam&RMT_REMOTETYPE_3=4  
&RMT_PROTOCOL_3=0&RMT_DOMAINNAME_3=192.168.0.227&RMT_REMOTEPORT_3=1234  
&RMT_SSUSER_3=camera12&RMT_SSPASS_3=c12passwd&RMT_ONVIF_PROF_CURR_3=3  
&RMT_SWDISABLE_3=1&RMT_PROFILEUPDATED_3=1"
```