

TechTip V1004 - FTP to Second Server Every 10 Minutes

Applies to:

All IQeye Cameras

Summary:

Describes how to configure an IQeye camera to send images at regular intervals to a second FTP server. This consists of two parts: defining the second FTP site, and writing a cron scheduler to take and send images.

Contents:

- Set up FTP server
- Define alternate FTP site in the IQeye camera
- Cron script

Set up FTP server

- Install and test an FTP server. See TechTip V1002 – *Install an FTP server on PC.*

Define alternate FTP site in the IQeye camera

- You will need to create a new FTP SITE (profile) on the camera containing all the information about the FTP server you'll be sending images too.
- Log into the camera as a privileged user using telnet or hyperterm/console port.

```
Local:>> SET FTP SITE      profilename                (see note 1)
Local:>> SET FTP SITE      profilename      HOST "ftpsitename"  (see note 2)
Local:>> SET FTP SITE      profilename      USERNAME "username"
Local:>> SET FTP SITE      profilename      PASSWORD "password"
Local:>> SET FTP SITE      profilename      PATH "$SN/$SD"      (see note 3)
Local:>> SET FTP SITE      profilename      FSPEC "$ST.$FN"     (see note 3)
```

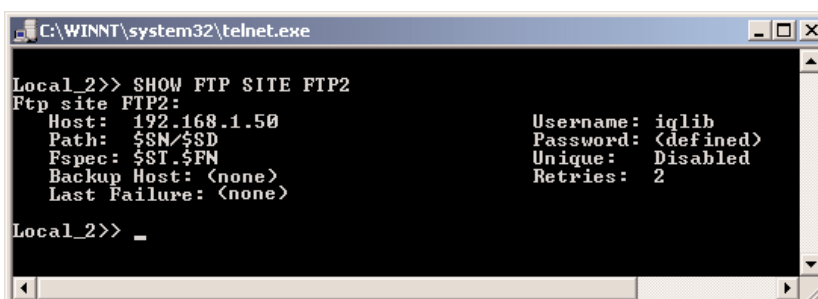
```
C:\WINNT\system32\telnet.exe
IQinVision IQeye3 Version 2.4/3
Type HELP at the 'Local_2>' prompt for assistance.
Username> Robert
Local_2> su
Password>
Local_2>> SET FTP SITE FTP2
Local_2>> SET FTP SITE FTP2 HOST 192.168.1.50
Local_2>> SET FTP SITE FTP2 USERNAME "iqlib"
Local_2>> SET FTP SITE FTP2 PASSWORD "system"
Local_2>> SET FTP SITE FTP2 PATH $SN/$SD
Local_2>> SET FTP SITE FTP2 FSPEC $ST.$FN
Local_2>>
```

Notes:

1. `profilename` is a string that refers to the details for this second FTP site.
2. You can use an IP address for the `ftpsitename`. This is often easier as a nameserver is not required.
3. For the `PATH` and `FSPEC`, you can use fixed names or dynamic variables as shown.
4. Quote marks are optional however, they must be included if the strings contain any lowercase letters. Without quote marks, all lowercase letters will be converted to uppercase.

Confirm all data is properly loaded into the camera.

```
Local:>> SHOW FTP SITE profilename
```



```
C:\WINNT\system32\telnet.exe
Local_2>> SHOW FTP SITE FTP2
Ftp site FTP2:
Host: 192.168.1.50           Username: iqlib
Path: $SN/$SD              Password: <defined>
Fspec: $ST.$FN             Unique: Disabled
Backup Host: <none>        Retries: 2
Last Failure: <none>
Local_2>> _
```

Test the above settings.

```
Local:>> TEST TRIGGER INPUT
Local:>> FTP profilename "trig+0.jpg"
```

Confirm the file is on your FTP server. When all the above settings are correct, you must transfer them into permanent memory

```
Local:>> SAVE FTP
```

Cron script

- This cron script will send an image to the second FTP server every 10 minutes, on the ten-minute-mark.
- Using a text editor, create and save the cron script. **Important:** make sure this file is saved as text only.

```
# cron script to send an ftp image to a
# second ftp site every 10 minutes
0,10,20,30,40,50 * * * * TEST TRIGGER INPUT; SLEEP 5;FTP
"sitename" trig+0.jpg"
```

Notes:

- `profilename` is the name of the profile not the name of the ftp server.
- Use quote marks around `sitename` and the `filename` if lowercase characters are used.
- Also, make sure to end the last line with a 'return'. (carriage return)

- The `SLEEP 5` command gives the camera 5 seconds to capture and jpeg the image, otherwise the camera will send the previous capture as the FTP command happens before the camera is finished with the new capture.
- If you are already triggering on a regular basis, you may omit `TEST TRIGGER INPUT; SLEEP 5;`

FTP this file into the `/flash` directory and confirm the name is `crontab` (no extension, all lower case).

More Information

IQEYE reference manual, Set/Define FTP Site and Dynamic Print Syntax.

TechTip - Use CRON to control FTP times

TechTip - Install an FTP server on PC

TechTip - FTP code to IQeye camera

TechTip - Diagnose / setup FTP