

Hornychz

WizzaRe: [New Brisbane \(Australia\) WeatherDuino Station Coming Together](#)

DLink Weather Cam - How To

For those interested in trying a home webcam to upload to WeatherUnderground, but not sure where to start, below are the settings that I used. Maybe of inspiration or help if you decide to try this option. Just look for a camera that has FTP option, as many do. I used a DLink DCS-942L, which is an older camera that I had lying around.

Hi,

I would like to add some insights into the subject that Wizza described so well.

His posting is valid provided you have an FTP camera. However, many IP cameras can't FTP protocol. It even occurred to me that I bought an IP camera with an FTP protocol and when I still "could not find" the configuration, the supplier confirmed to me that the FTP protocol had been removed from the camera! It's camera VSTARCAM (EYE4) C7816WIP (IP67, 720p) - there are still FTP configuration pictures on their web ...

In that case, you can try a solution similar to mine.

The basic prerequisite for the solution is that there is a way to download a picture from the camera. At mine:

```
http://192.168.x.y:81/snapshot.cgi?user=xxxxx&pwd=yyyyyy
```

where is:

- IP address insight your LAN
- port 81 is set during configuration process
- user - the name of the user with the permission to view
- pwd - his password

If we get a photo when we enter this URL, we have won. 😊
(For other cameras we can help eg: <https://www.ispyconnect.com/man.aspx?n=Vstarcam>)
We can arrange others for example with our Raspbian where CumulusMX runs.

I made a total of 4 files for simplicity:

```
CumulusMX/web/skyT.php  
CumulusMX/sky-ftp.sh  
CumulusMX/sky-wu.sh  
CumulusMX/sky.sh
```

The last 3 files must have attributes 755 (execute), the first one is web page template. We will configure his transfer to the site in CumulusMX: "Extra web files" (web/skyT.php -> sky.php attr. "Process", "FTP", UTF8"). New page has to show the picture sky.jpg (for example).

The entire sky.php page can be downloaded as an example from URL

```
http://meteo.brandysnl.cz/MyDocs/Forum/skyT.txt
```

Attention! It's just an example, the page contains my analytics etc.

And here is another files:

sky.sh

```
#!/bin/bash
wget "http://192.168.X.Y:81/snapshot.cgi?user=XXXX&pwd=YYYYY" -O /srv/CumulusMX/sky.jpg
exit 0
```

Where:

/srv/CumulusMX/ is the home directory for my CumulusMX (change by yours)

sky-ftp.sh

```
#!/bin/bash
ftp -n 192.168.X.Y <<END_SCRIPT
quote USER abcdefg
quote PASS 12345678
binary
put /srv/CumulusMX/sky.jpg sky.jpg
quit
END_SCRIPT
exit 0
```

Where:

IP address of your ftp server = your web page (mine has VPN and so private addresses)
USER = ftp user (assumption - the home directory is in the root of the site)
PASS = his password

sky-wu.sh

```
#!/bin/bash
pftp -n webcam.wunderground.com <<END_SCRIPT
quote USER ijklmno
quote PASS 9876543
binary
put /srv/CumulusMX/sky.jpg image.jpg
quit
END_SCRIPT
exit 0
```

Where:

Nearly the same, but upload is to WUndreground (USER and PASS from your account at them)
pftp = passive ftp (if you are behind a firewall)
image.jpg = the name, required by WU

Running scripts progressively with cron. Again for simplicity - in the 3rd minute we download the image, in the 4th minute we upload it to FTP, in the 5th to WU.

We do:

```
crontab -e
```

and add:

```
# IP Meteo Cam
3,8,13,18,23,28,33,38,43,48,53,58 * * * * sudo /srv/CumulusMX/sky.sh > /var/log/sky.log 2>&1
4,9,14,19,24,29,34,39,44,49,54,59 * * * * sudo /srv/CumulusMX/sky-ftp.sh > /var/log/sky.log 2>&1
0,5,10,15,20,25,30,35,40,45,50,55 * * * * sudo /srv/CumulusMX/sky-wu.sh > /var/log/sky.log 2>&1
```

After saving crontab, it restarts itself.

Everything could be more compressed, for example into one file. But my configuration allows simple, step-by-step tuning and clarity.