

Follow These instructions if you want to use your IP CAM Globally

The explanations here are the © copyright of Pavel Khlebovich 2013

Get a Static IP Address, instead of a dynamic one:

You may have noticed that every time you launch your IP camera it has a unique IP address and because of that you have to change the address in your code.

Why is that?

The device in charge of allocating the IPs is your WiFi router. The IP allocation ("lease") is given for some time and can change after it's expired. This might make IP Webcam inaccessible by the previous address.

To prevent this from happening, you need to enter the router's web interface and allocate your device a static IP. Search for menu items similar to "DHCP clients", "Static leases" or "IP/MAC binding", and add an MAC binding here to the desired or current IP.

MAC address of your phone can be found in Settings->About Phone->Status->WiFi MAC address.

Accessing IP Camera Outside of the local WIFI Network:

Right now you can only access your phone camera when its inside the network but there is a way you can access this camera globally. You just have to do some configuration.

First make sure that you have assigned your device a static IP address. Now go to your router's web interface, you should forward the server port to the internet and access the camera using the router's external IP. This function is usually called "Port forwarding", "Virtual servers". You should see the router's documentation on how to do

it. There's also a free database of manuals for port forwarding on <http://portforward.com/>. Just **disregard the paid stuff**, you only need manuals.

The setup will look like this:

Phone (192.168.3.198, server at 8080) ----> Router (Forwarding 192.168.3.198:8080, external IP is 66.77.88.99) <--- Any client with internet access (by opening <http://66.77.88.99:8080>).

There's a shortcut in determining your external IP and checking IP Webcam's visibility over the internet. If you cannot find your external IP in router's settings, you can get it by visiting <http://whatismyip.org>. To check if you properly configured your router, use any online port scanner, like [this one](#). Enter your external IP in the IP field (in my example, 66.77.88.99), and external forwarded port in "list of ports" field (8080 in my example).

Note that you likely won't be able to access your phone via router's external interface while inside the same router's network. That's a frequent bug with the router's firmware. You have to be on some other WiFi network to do it.