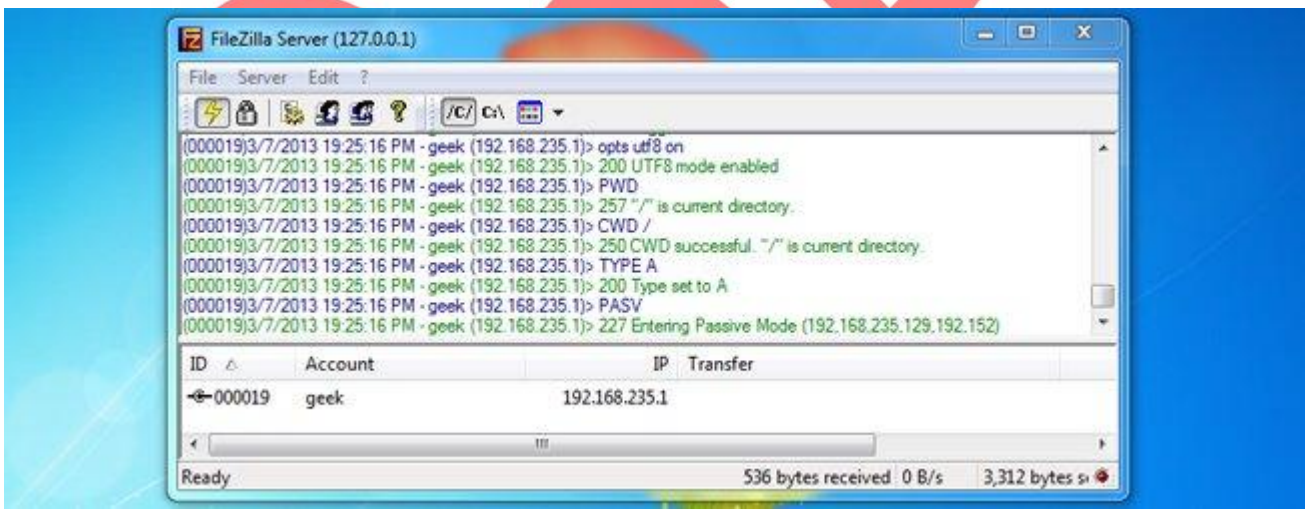
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FTP Setup for D3D IP Camera: FTP setup allow the user to save images and videos from their D3D IP camera to any computer on network. D3D camera has built in motion sensor, which when activated, allow the camera to take pictures automatically, whenever any motion is detected. The camera will then automatically send the pictures to the configured email id to alert the user. In addition to that camera can save those images to the remote computer and user can access those images any time. So even if someone damage the camera, images still be available on the remote computer FTP folder.

There are 2 steps to setup FTP for D3D Camera:

1- Install FileZilla and host an FTP folder on the computer *(Page 1-9)*
2- Configure D3D camera with the FTP folder *(Page 10-12)*

Step1 -Install FileZilla and host an FTP folder on the computer



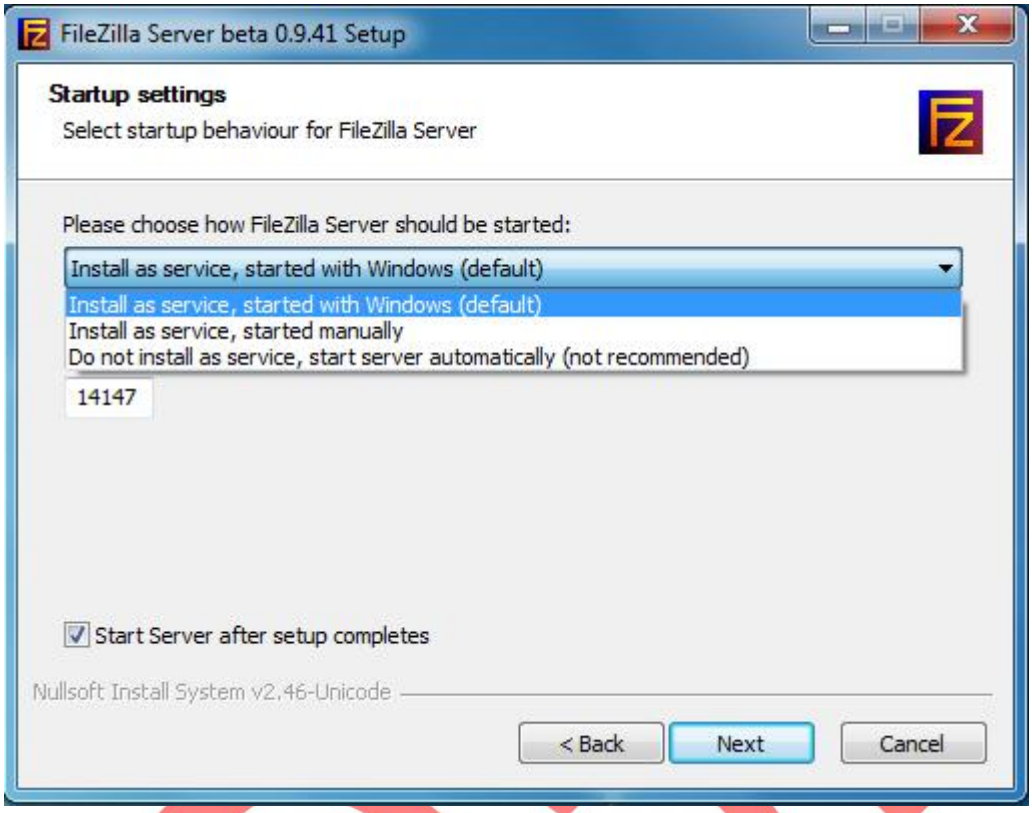
In this guide we'll take you through the steps to setup a folder on your Windows computer as an FTP repository, using a free program called FileZilla. FTP can be used to easily transfer a lot of files between computers; the FTP repository can be mapped to multiple computers across the Internet so that other people can access the directory right from Windows Explorer.

To start, you'll need to download FileZilla server, available below

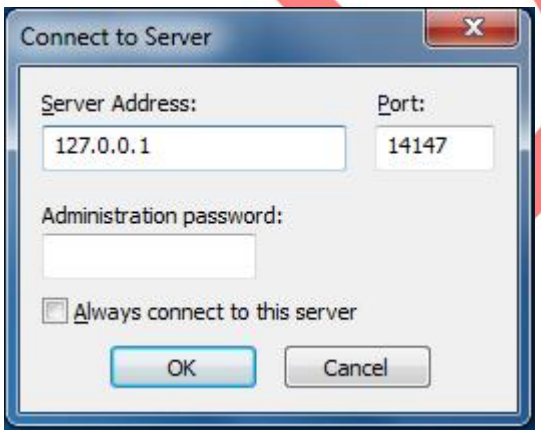
https://filezilla-project.org/download.php?type=server

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After downloading the program, you can install it with all of the default settings. FileZilla will install a service that runs whenever Windows boots up, so if you would rather only run the FTP server manually, select the appropriate option from the drop down menu on the third screen:



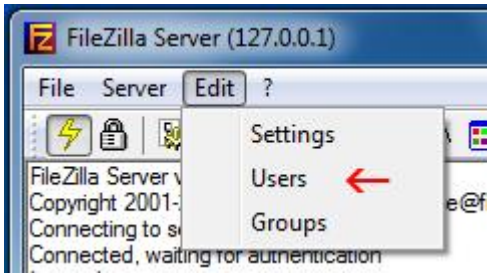
Apart from that setting, everything else can be left at the defaults for the purpose of this tutorial. Once installation is complete, the FileZilla interface will open. Just click OK when this window pops up right after installation:



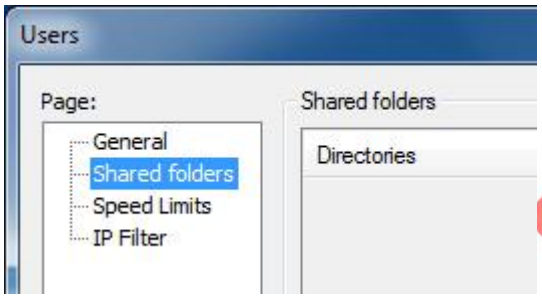
Once the FTP server interface has loaded, we are ready to specify a directory as an FTP repository. If the directory you want to use isn't already created, minimize the interface and create a folder where you want the FTP share to be. In this tutorial, we are going to use the folder 'FTP' on our desktop. Its exact location will be "C:\Users\geek\Desktop\FTP".

Click on Edit and then Users.

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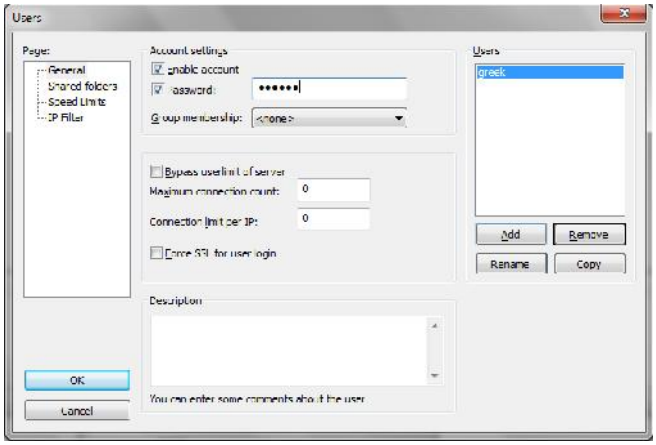
On the left side of the window that comes up, click on “Shared folders.”



Once there, click on “Add” underneath “Users.” Enter the username for an account that another computer will be using to access the repository we’re setting up.

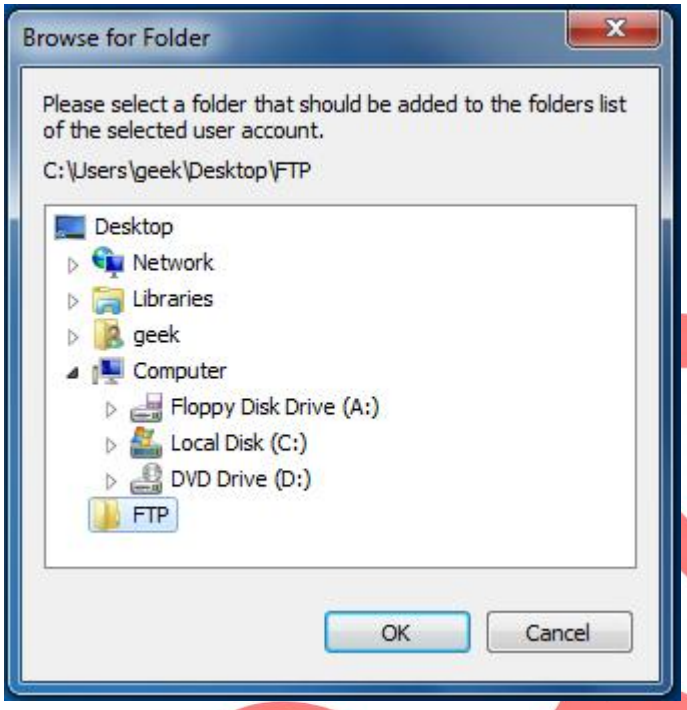


Click OK once you’re done entering the account name. Then check the ‘Password’ and speify a password for the user created above.



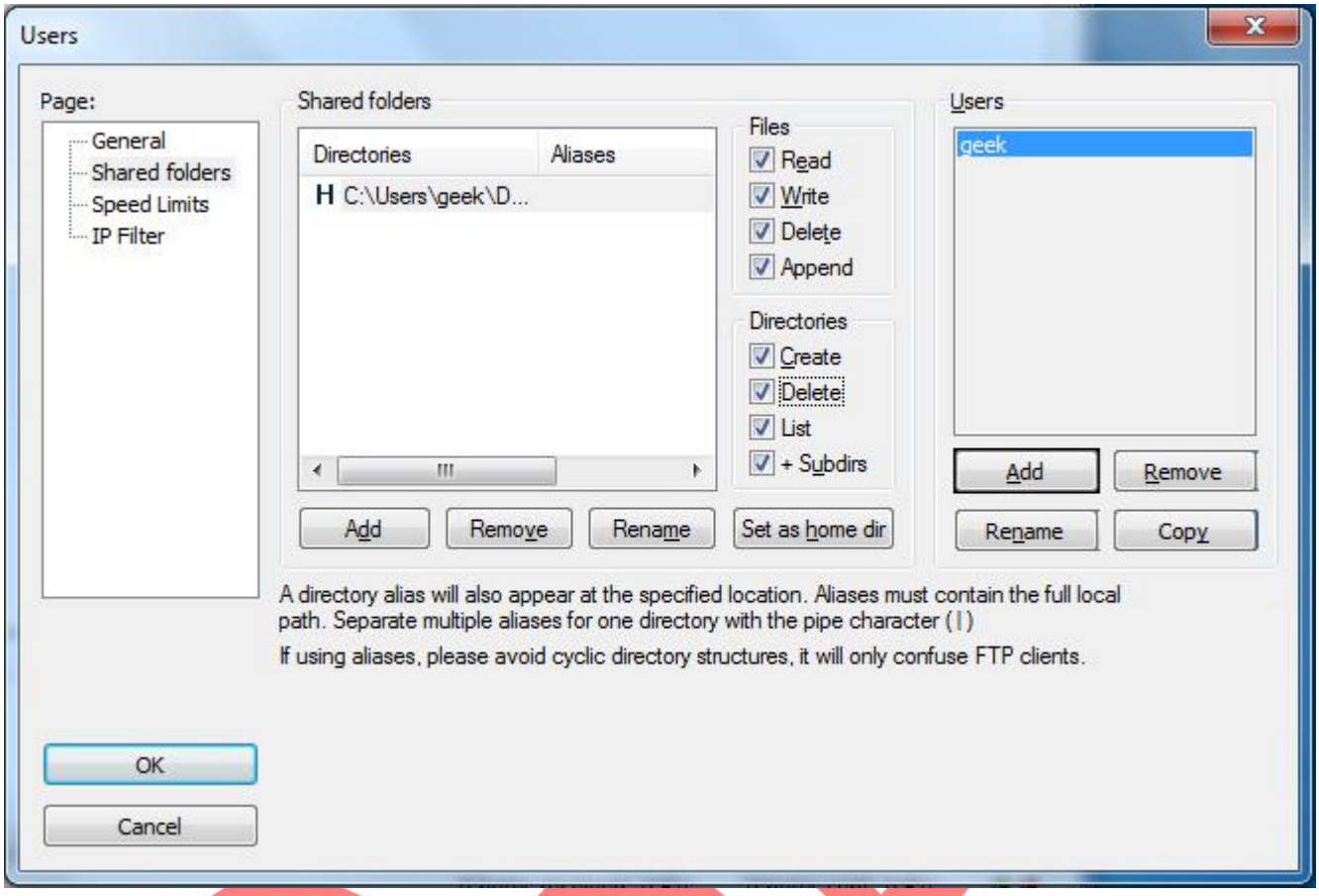
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Then click on “Add” underneath the “Shared folders” section. Once you’ve done that, a window like the one below will pop up, use it to select the directory you would like to share as an FTP repository.



Click OK. Now we need to assign the user permissions for this repository. By default, the user we’ve created is able to read files, list directories, and list subdirectories. To give the user further permissions, such as the ability to copy files to this repository, check the boxes beneath ‘Files’ and ‘Directories.’

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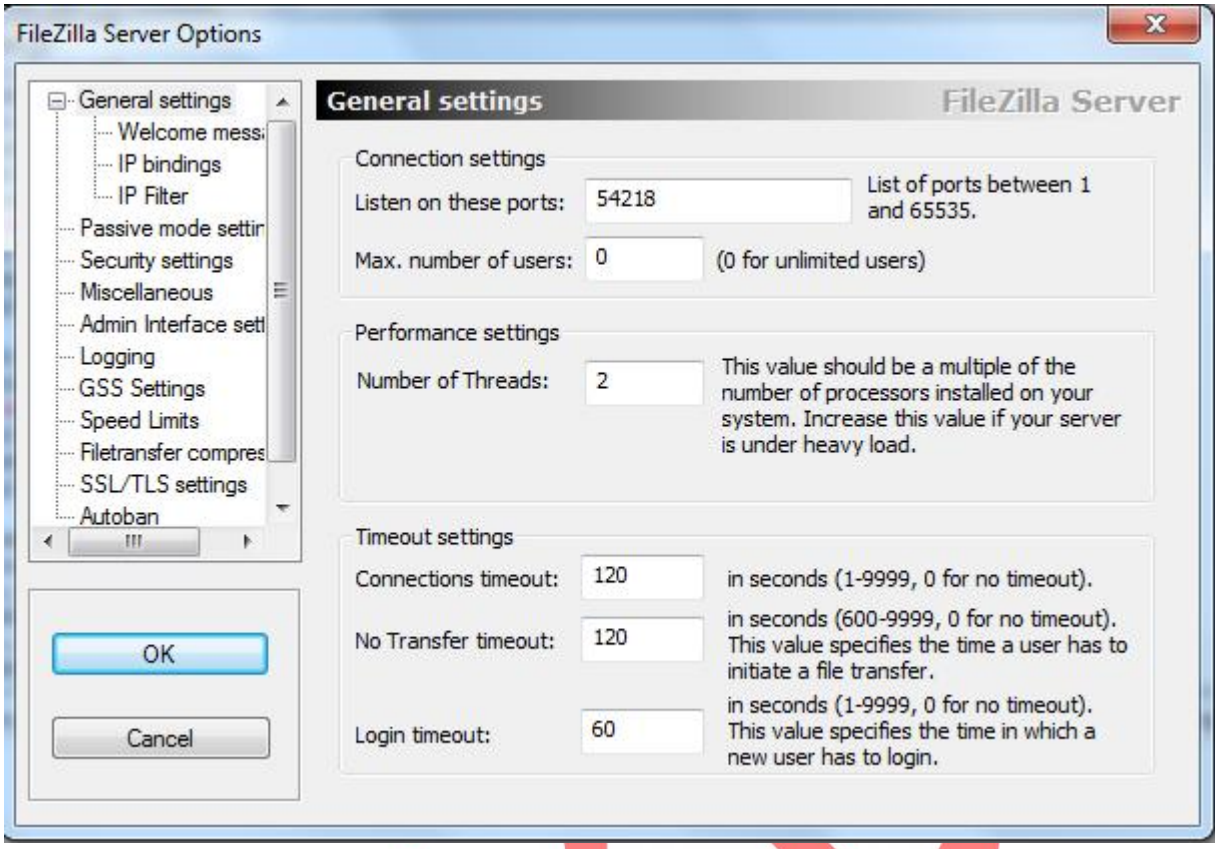
Click OK once you're done setting the user permissions.

Securing Your FTP Server

Along with configuring the user(s) with a strong password, there are a few settings within FileZilla that you can configure to further secure your new FTP server.

Hackers will constantly scan the internet for hosts listening on port 21, the default FTP port. To avoid being detected by the thousands of hackers constantly scanning for people like you with an FTP server, we can change the port that FileZilla listens on. Go to Edit and then Settings. Under "General settings" you'll see "Listen on these ports." It should currently be on 21, but we recommend changing it to a random five digit number (nothing over 65535).

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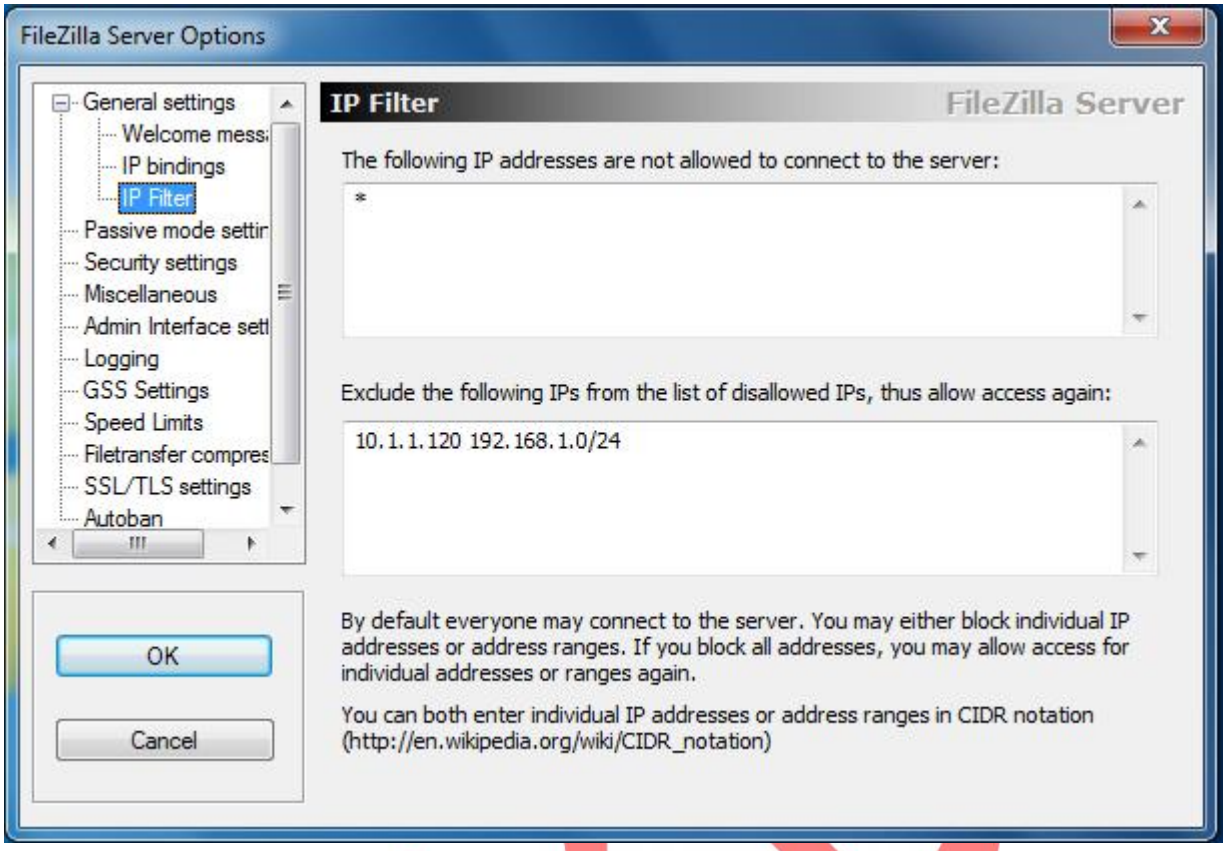


This doesn't necessarily secure your server, but it obscures it and makes it harder to find. Just remember that anyone determined to hack you will eventually find the port your FTP server is listening on, so further measures must be taken.

As long as you know the IP's (or at least the IP range) of the computers connecting to your FTP server, you can set FileZilla to only respond to login requests from those IP addresses. Under Edit > Settings, click on "IP Filter."

In the first box, put an asterisk to block all IP's from connecting to your server. In the second box, add exceptions to this rule (IP's or network ranges that should be allowed to connect). For example, the following screenshot shows a configuration in which 10.1.1.120 and the 192.168.1.0/24 (in other words, 192.168.1.1 – 192.168.1.255) IP range would be able to connect:

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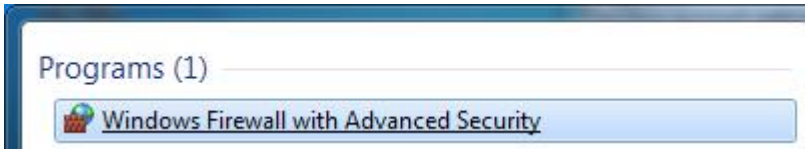


Along with secure passwords, that should be about all the security your FTP server will need. There is a default Autoban setting already configured in FileZilla, so anyone who tries connecting to your server too many times within a short period will be locked out for a while. To tweak this setting, click on “Autoban” under Edit > Settings, but the default will suffice for most people.

One last note on the security of this FTP server: transmissions are in clear-text, so don’t use plain FTP to transfer anything confidential. SFTP or FTPS can be used for encrypting FTP communications, but are beyond the scope of this guide and will be covered in future articles.

Windows Firewall Exception

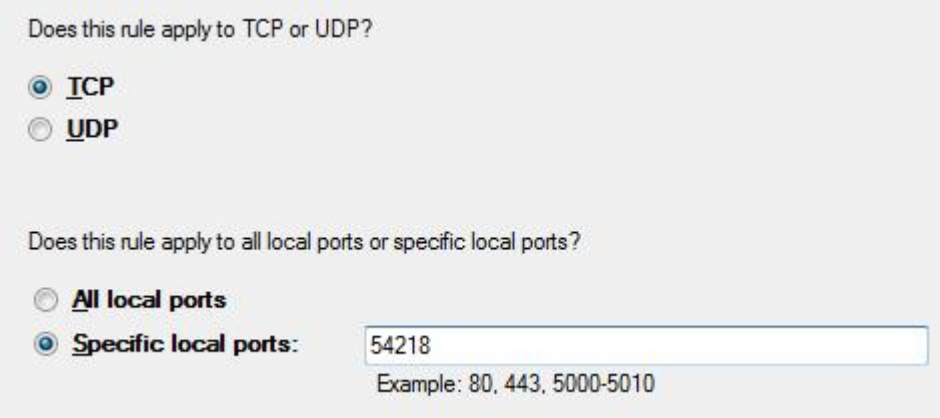
If you have a third party firewall or anti-virus program, be sure that the port you’ve chosen to run your FTP server on is allowed through it. If you have Windows Firewall enabled, you’ll need to add an exception for the port. Go to your Start menu and type Windows Firewall, then click on “Windows Firewall with Advanced Security.”



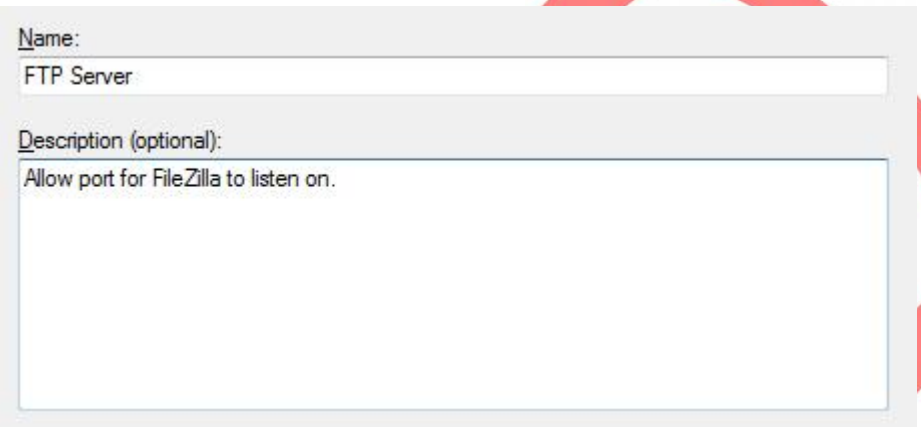
Click on “Inbound Rules” in the left column, and then “New Rule…” in the right column. We’ll be allowing a port through the firewall, so select Port when the wizard asks “What type of rule would you like to create” and then click next.

Type in the port you have chosen for your FTP server to run on (default is 21, but in this guide we chose 54218).

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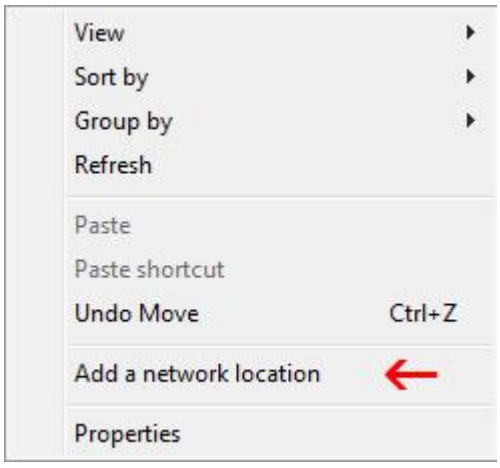
Click next three times after entering your port number. Put in a name and description for this exception so it's easy to find in the future, and then click Finish.



Test that FTP folder can be accessed from other computer

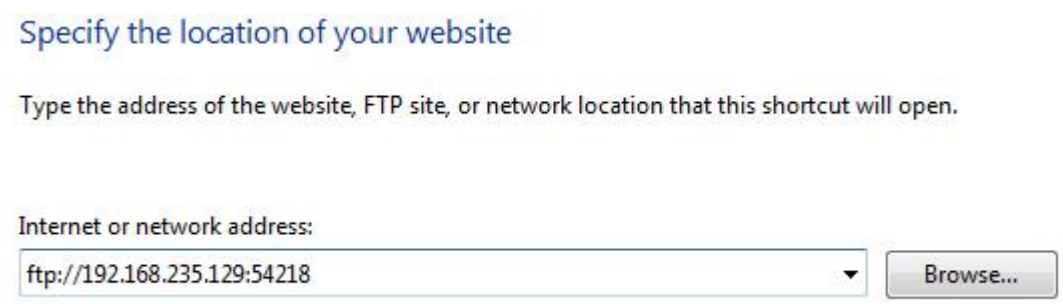
Now that the FTP server is completely set up, we first need to test that this FTP folder can be accessed from other computer. Once this tested is completed, we can be sure our FTP folder setup is successful and we can move to **step 2**(Configure D3D camera with the FTP folder)

On some another computer in same network, Open 'Computer' and right click in a blank area, then select "Add a network location."

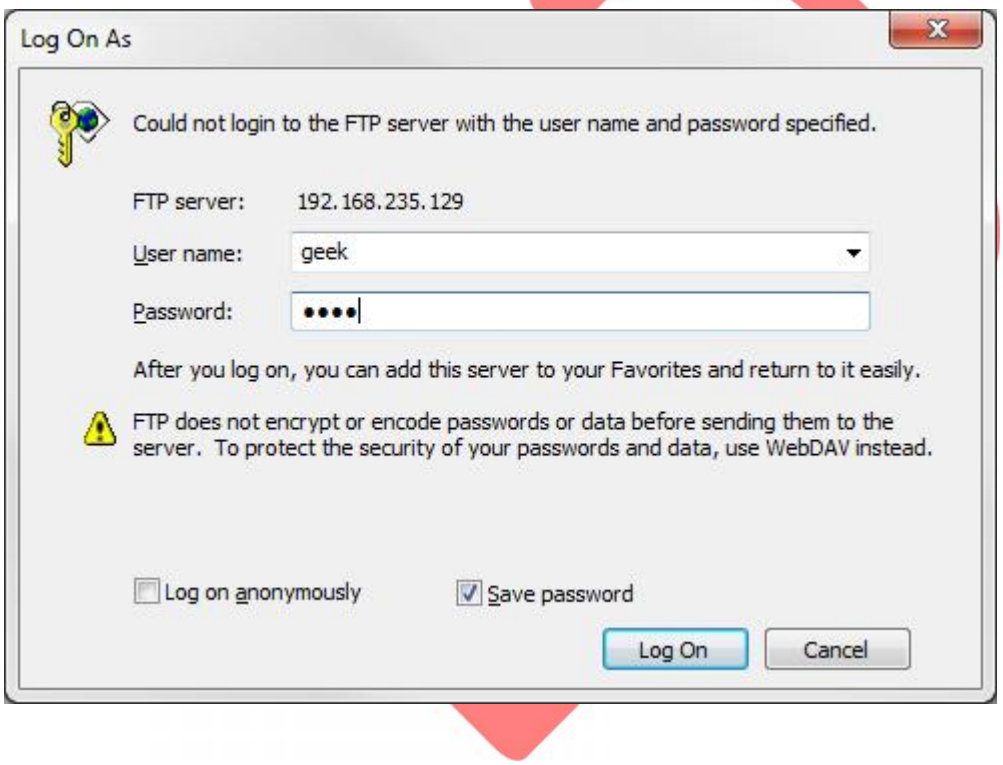


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The “Add Network Location” wizard will appear, click next twice. Enter the IP address and port of your FTP server, and click next.



Uncheck “Log on anonymously” and enter the username you have configured for your FTP server. Click next twice and then click finish. It should ask you for your password, and then you will be able to browse to the FTP share as if it were a local hard drive.



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Step 2-Configure D3D camera with the FTP folder

Logon to your IP camera We BI using D3D Search tool and click on 'Settings' tab. Under 'Alarm Settings' click on FTP Settings.

Enter the FTP details, you created above.

FTP Server = This is the IP address of the machine on which you created FTP folder

FTP Port = This is the port we mentioned under FTP FileZilla settings

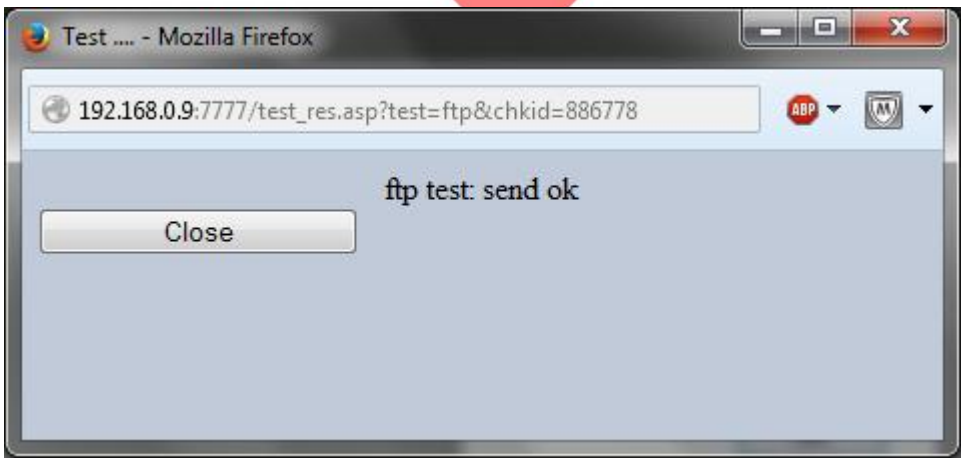
FTP User = User created in FTP FileZilla settings

FTP Password = Password created in FTP FileZilla settings for the FTP user.

FTP Upload Folder = /Camera **this will create a new folder in the FTP folder you created above. All images/videos will then be saved in Camera folder.*



Click on Save & Test. If FTP settings are correct, following message should appear and 'Camera' folder should be created in FTP folder.



Now if the Alarm settings are configured, then every time a motion is detected, the camera will take the pictures of surroundings and will save in FTP folder.

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For information on how to setup the Alarm Settings, please refer to our corresponding user guide.

Thank you for Buying the D3D Security Systems. For further assistance, please contact us:

Email – support@d3dsecurity.com

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