

# A Quick Guide for setting up a HuddleCamHD NDI|HX camera

*For use with HuddleCamHD cameras when using vMix or OBS*

# Network Setup Instructions

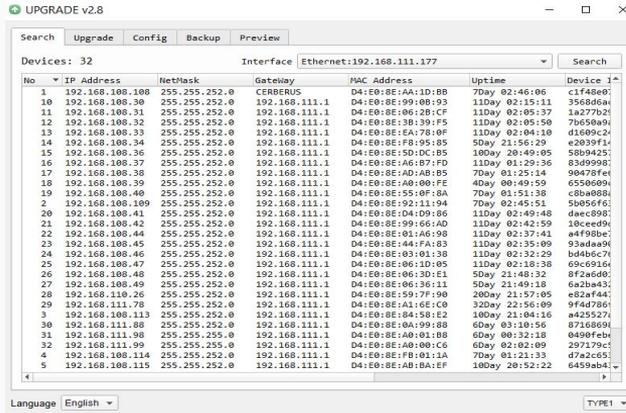
Using the IR Remote Control & UPGRADE TOOL

First connect your camera to the same network as your PC and turn them both on

Using the IR Remote press [\*] + [#] + [4] to set your camera to DHCP mode

Next you will need to install the HuddleCamHD UPGRADE TOOL ([Windows](#) or [Mac](#))

Once installed and open click the **[Search]** button to discover the camera on your network



The screenshot shows the 'UPGRADE v2.8' application window. It has tabs for 'Search', 'Upgrade', 'Config', 'Backup', and 'Preview'. The 'Search' tab is active, showing a list of 32 devices discovered on the network. The interface includes a search bar and a dropdown menu for the network interface, currently set to 'Ethernet:192.168.111.177'. The table below lists the discovered devices with their IP addresses, netmasks, gateway addresses, MAC addresses, and uptime.

No.	IP Address	NetMask	Gateway	MAC Address	Uptime	Device ID
1	192.168.108.108	255.255.252.0	192.168.111.1	04:E0:BE:AA:1D:8B	70day 02:46:06	c1f48d01
10	192.168.108.30	255.255.252.0	192.168.111.1	04:E0:BE:99:08:93	11Day 02:15:11	3568d6a4
11	192.168.108.31	255.255.252.0	192.168.111.1	04:E0:BE:06:2B:CF	11Day 02:05:37	1a277b21
12	192.168.108.32	255.255.252.0	192.168.111.1	04:E0:BE:38:39:F5	11Day 02:05:50	7b558a94
13	192.168.108.33	255.255.252.0	192.168.111.1	04:E0:BE:EA:78:0F	11Day 02:04:10	d1609c24
14	192.168.108.34	255.255.252.0	192.168.111.1	04:E0:BE:F8:95:85	50day 21:56:29	e2039f14
15	192.168.108.36	255.255.252.0	192.168.111.1	04:E0:BE:5D:0C:85	10Day 20:49:05	58040251
16	192.168.108.37	255.255.252.0	192.168.111.1	04:E0:BE:A6:B7:FD	11Day 01:29:36	83d9998f
17	192.168.108.38	255.255.252.0	192.168.111.1	04:E0:BE:AD:A0:85	70day 01:25:14	90478efc
18	192.168.108.39	255.255.252.0	192.168.111.1	04:E0:BE:A0:00:FE	4Day 00:49:59	65506094
19	192.168.108.40	255.255.252.0	192.168.111.1	04:E0:BE:55:0F:8A	70day 01:51:38	c80a8888
2	192.168.108.109	255.255.252.0	192.168.111.1	04:E0:BE:92:11:94	70day 02:45:51	5b050f61
20	192.168.108.41	255.255.252.0	192.168.111.1	04:E0:BE:D4:D9:86	11Day 02:49:48	daec8987
21	192.168.108.42	255.255.252.0	192.168.111.1	04:E0:BE:99:66:AD	11Day 02:42:59	18ccec94
22	192.168.108.44	255.255.252.0	192.168.111.1	04:E0:BE:01:A6:98	11Day 02:37:41	e4f08bc2
23	192.168.108.45	255.255.252.0	192.168.111.1	04:E0:BE:44:FA:83	11Day 02:35:09	93adaa94
24	192.168.108.46	255.255.252.0	192.168.111.1	04:E0:BE:03:01:30	11Day 02:32:29	b04b6c74
25	192.168.108.47	255.255.252.0	192.168.111.1	04:E0:BE:06:1D:05	11Day 02:18:38	69c69164
26	192.168.108.48	255.255.252.0	192.168.111.1	04:E0:BE:06:3D:E1	50day 21:48:32	8f2ae4d0
27	192.168.108.49	255.255.252.0	192.168.111.1	04:E0:BE:06:36:11	50day 21:49:18	6a2ba431
28	192.168.110.26	255.255.252.0	192.168.111.1	04:E0:BE:59:7F:90	20Day 21:57:05	e82af447
29	192.168.111.78	255.255.252.0	192.168.111.1	04:E0:BE:A1:6E:C0	32Day 22:56:09	9f4d7360
3	192.168.108.113	255.255.252.0	192.168.111.1	04:E0:BE:84:58:E2	16Day 21:08:16	e4255271
30	192.168.111.88	255.255.252.0	192.168.111.1	04:E0:BE:0A:99:88	6Day 03:10:56	87166091
31	192.168.111.98	255.255.255.0	192.168.111.1	04:E0:BE:A0:01:D8	6Day 00:32:18	04009feb
32	192.168.111.99	255.255.255.0	192.168.111.1	04:E0:BE:A0:00:C0	6Day 02:02:09	297179c7
4	192.168.108.114	255.255.252.0	192.168.111.1	04:E0:BE:FB:01:1A	70day 01:21:33	d7a2c651
5	192.168.108.115	255.255.252.0	192.168.111.1	04:E0:BE:AB:0A:EF	10Day 20:52:22	6459a044

*In the event that this is on a network without a DHCP server / router more in depth instructions to assist in network setup can be found [HERE](#).*

# Network Setup Instructions

Using only the UPGRADE TOOL

First connect your camera to the same network as your PC and turn them both on

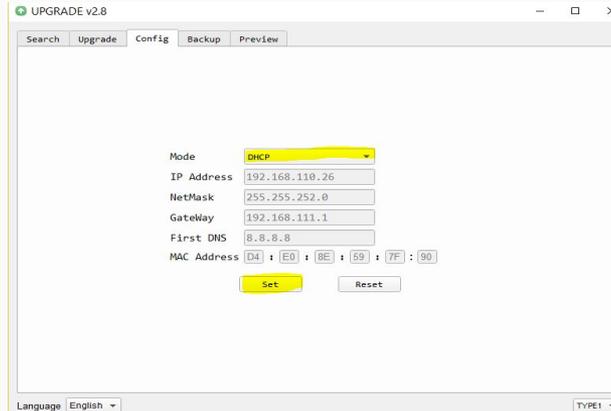
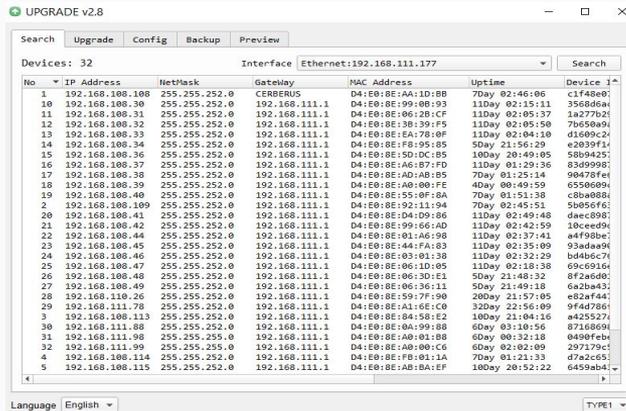
Next you will need to install the HuddleCamHD UPGRADE TOOL ([Windows](#) or [Mac](#))

Once installed and opened click the **[Search]** button to discover the camera

Right click on the camera's IP address and select **"config"**.

In the config section change the mode dropdown from manual to DHCP and click the **[Set]** button

Now return to the Search tab and click the **[Search]** button to discover the camera's new IP



*In the event that this is on a network without a DHCP server / router more in depth instructions to assist can be found [HERE](#).*

# Adjusting the NDI Resolution and Frame Rate

Using the cameras IP address we discovered in the previous steps type it into a web browser

`http://<camera ip>/`

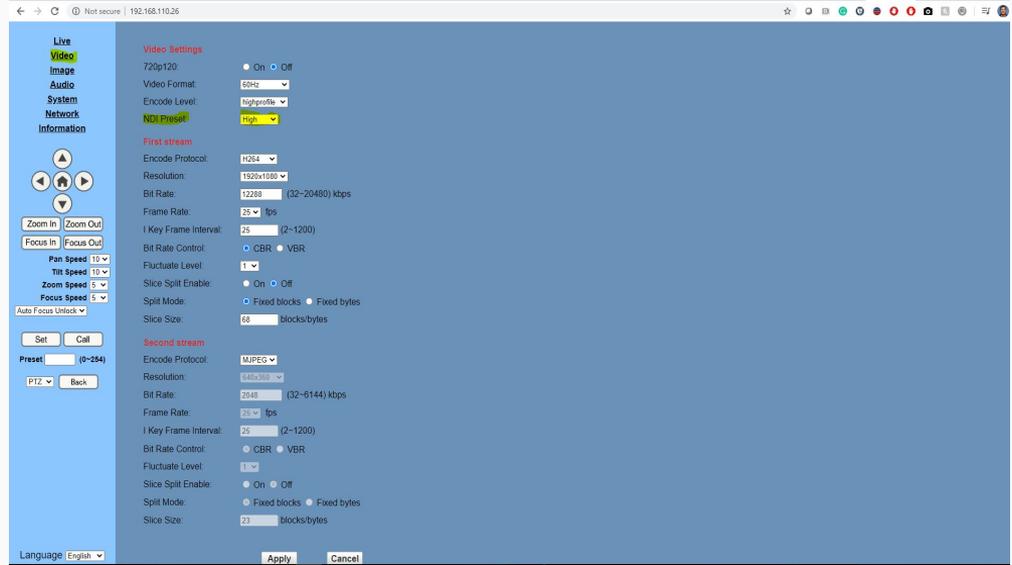
When prompted to login use the following default credentials

User: admin

Password: admin

Select the “Video” section to choose from some default NDI Presets for resolutions and frame rate. Make sure to click **[Apply]** and then reboot the camera after any adjustments you wish to commit.

*Note: These settings can be further fine tuned based on your use case*



NDI Preset	NDI High Bandwidth Mode	NDI Low Bandwidth Mode
Ultra	3840x2160 @ 30 FPS	640x360 @ 30FPS
High	1920x1080 @ 60 FPS	640x360 @ 30FPS
Medium	1920x1080 @ 30 FPS	640x360 @ 30FPS
Low	1280x720 @ 60 FPS	640x360 @ 30FPS

# Acquiring NDI Tools to use NDI

The freely available NDI Tools are required to use NDI on your computer.

These tools can be acquired directly from NewTek [HERE](#).

Download and install the NDI Tools for your operating system making sure to restart after the installation has completed.

*Note: For use with a Windows PC only the NDI tools are required. For use with a Mac PC both the NDI Tools and the NDI|HX driver must be installed.*

The screenshot displays the NDI Tools download page, organized into three columns for different operating systems and a section for system requirements.

NDI® Tools for Windows	NDI® Tools for Mac	NDIAnalysis™ for Windows
<ul style="list-style-type: none"><li>NDI Studio Monitor</li><li>NDI Scan Converter</li><li>NDI Virtual Input</li><li>NDI VLC Plugin</li><li>NDI for Adobe Creative Cloud</li><li>NDI Import I/O for Adobe CC</li><li>NDI Access Manager</li><li>NDI Test Patterns</li><li>NDI HX Driver</li></ul>	<ul style="list-style-type: none"><li>NDI Video Monitor</li><li>NDI Scan Converter</li><li>NDI Virtual Input</li><li>NDI for Adobe Creative Cloud</li><li>NDI Import I/O for Adobe CC</li><li>Access Manager</li><li>NDI HX Driver*</li></ul> <p><small>*Separate installer provided</small></p>	<ul style="list-style-type: none"><li><b>NDI® Analysis Tool (Beta)</b></li><li>- Find Sources</li><li>- Diagnose</li></ul>
<a href="#">DOWNLOAD</a>	<a href="#">DOWNLOAD</a>	<a href="#">DOWNLOAD</a>

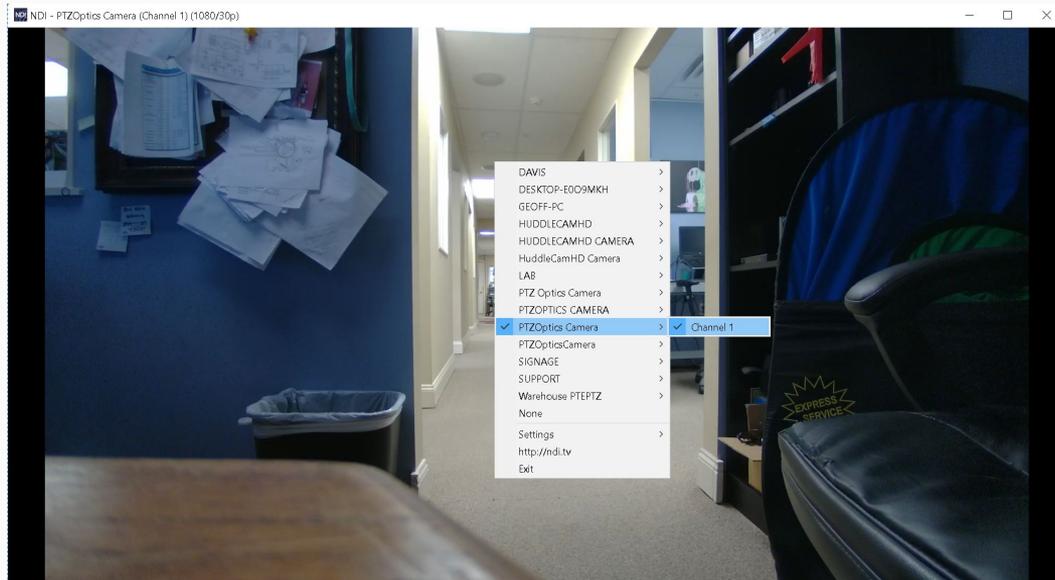
Minimum System Requirements	
<b>NDI Tools</b> <ul style="list-style-type: none"><li>• Microsoft Windows operating system (32-bit compatible; 64-bit recommended)<ul style="list-style-type: none"><li>◦ NDI Scan Converter requires Windows 8 or better along with a DirectX 11 compatible video card</li><li>◦ NDI Virtual Input require Windows 7 or better</li><li>◦ All other NDI Tools require Windows Vista or better</li></ul></li><li>• Mac-compatible versions of NDI Tools require Mac OS X or better</li><li>• Intel Core i3 CPU or better (Intel i5 CPU or better recommended)</li><li>• 8GB RAM or better</li></ul>	<b>NDI for Adobe Creative Cloud</b> <ul style="list-style-type: none"><li>• 64-bit Microsoft Windows 7 or better (PC); Mac OS X or better (Mac)</li><li>• Intel Core i5 CPU or better recommended</li><li>• 2GB RAM or better</li><li>• Adobe® Creative Cloud® membership (compatible applications include After Effects® CC, Premiere Pro® CC, Prelude® CC, and SpeedGrade® CC)</li></ul>

# NDI Tools to view NDI Sources

Included in the NDI Tools is an application called “Studio Monitor,” for Windows PCs, or “Video Monitor,” for Mac PCs.

For a Windows PC, launch “Studio Monitor” and right click on the viewing window to see discovered NDI sources, clicking to select and view the source.

For a Mac PC launch “Video Monitor” and go to the File option in your menu bar. Select a discovered NDI source to begin viewing.



# Adding an NDI source into vMix

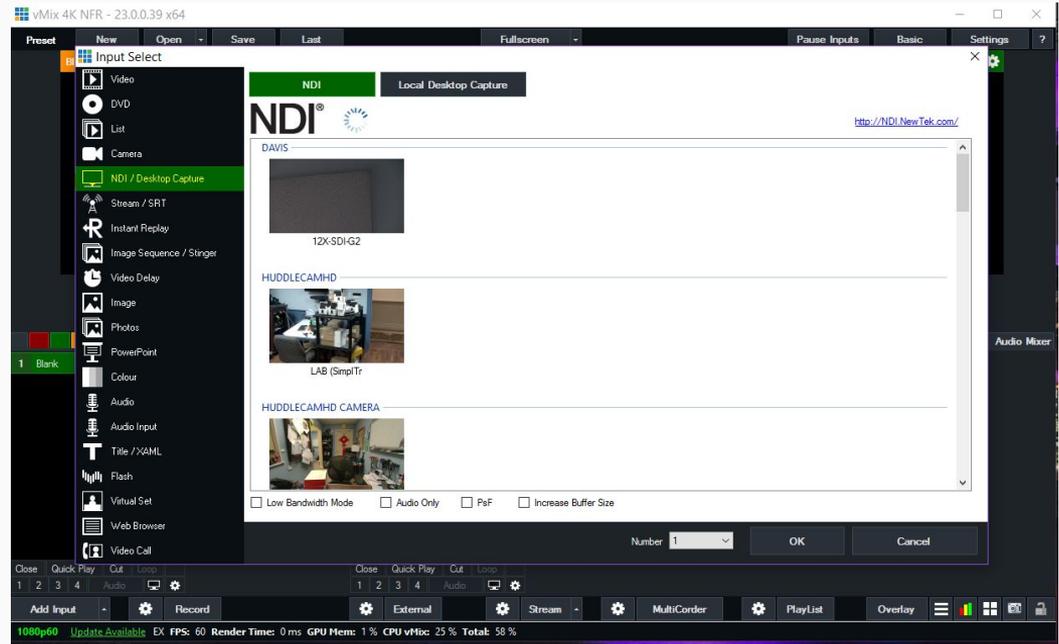
To use NDI within vMix you must first have NDI Tools installed on your Windows PC

Open vMix and click the **[Add Input]** button.

Navigate to the “NDI / Desktop Capture” option.

You should see the NDI source for your camera, select this source and click **[OK]**.

You should now see your NDI video in vMix



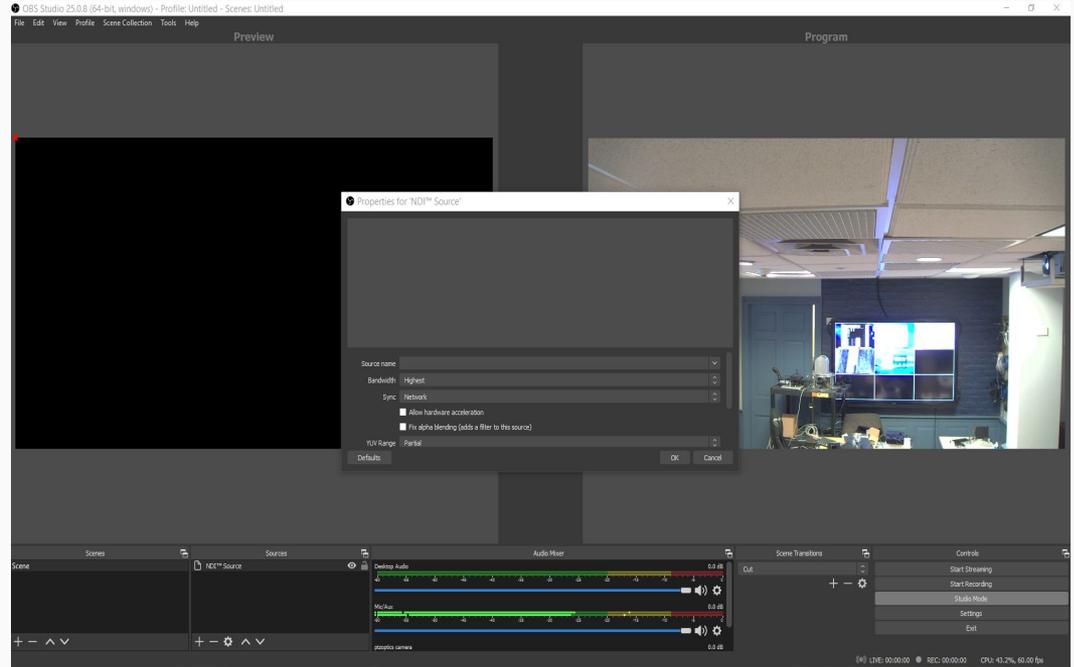
# Adding an NDI source into OBS

To use NDI within OBS you must first have NDI Tools installed on your Windows PC and the OBS NDI Plugin that can be found [HERE](#)

*Make sure OBS is closed during plugin installation*

Once installed you click **[+]** to add an NDI source by selecting the NDI Source input option. Discovered NDI sources will be displayed in the “Source Name” drop down to select from.

Click the **[OK]** button to add the NDI source to your OBS production.



# Have some additional Questions?

If you are having problems setting up your HuddleCamHD camera(s) please contact the HuddleCamHD Support for further assistance using one of the options below.

## **EEmail Support**

support@huddlecamhd.  
com

## **Submit a Ticket**

help.huddlecamhd.com

## **Chat with Support**

help.huddlecamhd.com

## **Call Support**

484-593-2584  
800-486-5276 x.1004

HuddleCamHD support is typically available Monday through Friday  
from 8:00 AM - 6:00 PM EST/EDT.