There are two options for powering the MPTZ20XFM MEGapix Camera:

- **Network Connection**

  Use the diagram below for additional information.

  The MPTZ20XFM MEGapix camera supports audio and relay connections. Use the diagram below for additional information.

  Not included in the package:
  - Dome Cover
  - Module
  - In Ceiling Camera Mount IP Camera PTZ 20X Flush Housing

  The following items are included with the MPTZ20X Camera:

  - CD (Manual & Software)
  - Quick Start Guide

  To install the MEGAPIX Camera on the local network:
  1. Connect the camera to the local network.
  2. Install the IP Finder software included in the User Manual CD to find your MEGAPIX Camera.
  3. To access the camera via the web browser, select the desired device and click Configuration.
  4. Use the cabling diagram on page 5.
  5. When the setup is complete, select Exit.

  Set the Camera for Internal Use

  Setting the Camera on IP Finder

  1. Install the IP Finder software included in the User Manual CD to find your MEGAPIX Camera.
  2. When setup is complete, launch the IP Finder software. Click Search to find your camera.
  3. Your MEGAPIX camera will appear as "DWC-MPTZ20X".
  4. To access the camera via the web browser, select the desired device and click Web Connect.
  5. To import camera settings from a different camera, press import conf.
  6. To adjust the camera's date & time, press the timezone button.
  7. To change basic network settings, select the desired device and click Configuration.

  Set the Camera for External Use

  Setting the Camera on IP Finder

  If you wish to connect your MEGAPIX Camera from an external network:
  1. Find your MEGAPIX Camera on IP Finder software and click Configuration.
  2. Select the camera's Configuration Mode - DHCP, PPPoE, or Static. DHCP is recommended.
  3. When the setup is complete, select Exit.
  4. Press the Reboot button. This process may take up to a minute.

  Minimum Requirements for PC

  - CPU: Intel P4 2.0GHz
  - RAM: More than 1GB
  - OS: Microsoft Windows XP or Higher
  - Resolution: Higher than 1024x768

  Webviewer Specifications

  - Minimum Requirements for PC
    - CPU: Intel P4 2.0GHz Dual Core
    - RAM: 2GB
    - OS: Microsoft Windows XP or Higher
    - Resolution: Higher than 1024x768

  Frequent use may cause a System Error

  IPCamera: If DHCP is selected, an IP address will automatically be assigned to the camera. If your network does not support DHCP, a default IP address and subnet mask will automatically be assigned.

  PPPoE: Select this option when you use a PPPoE-based internet service. To use PPPoE, contact your Internet Service Provider for a User ID and Password.

  Static IP: This option will assign a static (fixed) IP to your camera. A static IP address will prevent the network from changing the camera’s IP address and make it easier to access, especially when the camera is on a large network and accessed by multiple users. Contact your Internet Service Provider.

  Use DDNS: Check this option to use DDNS (Dynamic DNS). DDNS allows users to setup a unique URL for the IP Camera. To use DDNS, you must register for a DDNS ID from a DDNS Hosting Service.

  Port: This section displays all the port numbers that are required for remote communication.

  Frequent use may cause a System Error
MEGAPIX CAMERA SETUP

Upgrading the Camera's Firmware
Use IP Finder to perform firmware upgrade to all your MEGAPIX cameras from one convenient location.
1. Select all the cameras you would like to upgrade. You can select multiple cameras by clicking on multiple camera models while holding down the Ctrl button.
2. Press the “Upgrade” button.
3. Review and select the appropriate file to use for the upgrade. Press the “OK” button.
4. The system will start uploading all the selected cameras in a new window.
5. The system will indicate if the upgrade was successful or not for each camera.
6. When all cameras have been properly upgraded, press the “Close” button.
7. To complete the upgrade, reboot the cameras by pressing the ‘server reboot’ button.
8. Press the “Exit” button.
9. Allow up to 60 seconds for the cameras to reboot and press the ‘Search’ button. If the cameras in the IP Finder the reboot is complete and the cameras are ready.

Accessing the Camera
Monitor & configure the MEGAPIX camera through a built-in webviewer.
- Enter the IP address of the camera on the Internet Explorer window. Example: http://192.168.1.123 (Default)
- Enter Username and Password. (Default: Username: admin/ Password: admin)
- The web browser will ask to install ActiveX Control. Once it has been installed, Internet Explorer will display video image from the camera.

Accessing the Camera
Controlling the Camera Using the Virtual Joystick
1. Pan/Tilt Wheel- Move the camera in eight directions by clicking and holding with your mouse’s left button on the corresponding button. Pressing the central upper button will move the camera UP. To stop the camera’s movement, release the mouse click.
2. Zoom Control Button- Press the ‘+‘ to make the camera zoom in. Press the ‘-‘ to make the camera zoom out to the full field of view.
3. Focus Control Button- If Focus Mode in the Camera’s Setup Menu is ‘Auto’, the Focus cannot be changed manually.
4. Iris Control Button- The iris of the camera can be controlled by clicking “+” or “-” buttons.
5. Speed Control Button- Move the speed bar to the left to reduce the camera’s speed. Move the speed bar to the right to increase the camera’s speed.
6. Swing Button- Start and stop any of the previously set Swing commands.
7. P-Seq Button- Start and stop any previously set Pre-Sequence commands.
8. Tour Button- Start and stop any of the previously set tour commands.
9. Presets buttons- Send the camera to a specific preset previously setup. To activate a preset, select the desired preset in the Presets list.
10. Advanced Menu- Preset Controls- Use the Advanced Menu to delete, set and move presets from the camera’s main display window.

First Stream & Second Stream
The MEGAPIX cameras offer local backup in case of network loss.
- SD Card Installation & Setup
- SD Card for Recording Loss emergency recording.

Export & Print
Select the Export button. A ‘Save As’ window will appear. Select the file name and location to save the file name.
- Click the ‘Save’ button and the file will be saved.
- The ‘Export’ button is not available for the MEGAPIX cameras.
- Click the ‘Print’ button to print the page.
- Click the ‘Close’ button to close the print.

SD Card Installation & Setup
The MEGAPIX cameras offer local backup in case of network loss.

To Setup Instant Recording
Select the ‘Instant Recording’ button. Indicate where you want the video to be saved.
- To Stop, right-click anywhere on the display screen.

To Start and Stop Instant Recording
Select the ‘Stop’ button. The icon on the top right of the screen will change to ‘INSTANT.’

Camera Specifications
- Memory Slot- SD Card (Micro SDHC, 4GB-32GB)
- Sensor In/Out- 3 In/1 Out
- Operating Temperature/ Humidity- -10oC ~ 50oC (-14oF ~ 122oF), Less than 90%
- Compression and Sampling Rate- G.711 (8KHz), 1 Line Input & Output- Mono
- Image Sensor- 1/2.8” CMOS Sensor (7% Larger Than 1/3” CMOS Sensor)
- Video Management Software- NxMS, DW Spectrum
- ONVIF Conformance- Yes