



Client Settings

This chapter explains how to select the stream transmission mode and saving options on a local computer. When completed with the settings on the Client Settings page, click **Save** on the page bottom to enable the settings.

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H.265/H.264 Media Options

Select to stream video or audio data or both. This option is enabled only when the video mode is set to H.264 or H.265.

H.265/H.264 Protocol Options

Depending on your network environment, there are four transmission modes of H.264 or H.265 streaming:

- **UDP unicast**—This protocol allows for more real-time audio and video streams. However, network packets may be lost due to network burst traffic and images may be broken. Activate UDP connection when occasions require time-sensitive responses and the video quality is less important. Note that each unicast client connecting to the server takes up additional bandwidth and the camera allows up to ten simultaneous accesses.
- **UDP multicast**—This protocol allows multicast-enabled routers to forward network packets to all clients requesting streaming media. This helps to reduce the network transmission load of the camera while serving multiple clients at the same time. Note that to utilize this feature, the camera must be configured to enable multicast streaming at the same time. For more information, see the [“RTSP Streaming” section on page 5-27](#).
- **TCP**—This protocol guarantees the complete delivery of streaming data and thus provides better video quality. The downside of this protocol is that its real-time effect is not as good as that of the UDP protocol.

- HTTP—This protocol allows the same quality as TCP protocol without needing to open specific ports for streaming under some network environments. Users inside a firewall can utilize this protocol to allow streaming data through.

Two Way Audio

- Half duplex—Audio is transmitted from one direction at a time, for example, from a PC holding a web console with the camera.
- Full duplex—Audio is transmitted in both directions simultaneously.

MP4 Saving Options

You can record live video as you are watching it by clicking . Start MP4 Recording on the main page. Here, you can specify the storage destination and file name.

- Folder—Specify a storage destination on your PC for the recorded video files. The location can be changed.
- File name prefix—Enter the text that will be appended to the front of the video file name.
- Add date and time suffix to the file name—Select this option to append the date and time to the end of the file name. The date and time appear in the format YYYYMMDD_HHMMSS. An example files name is CLIP_20170713_180853.

Local Streaming Buffer Time

Due to possible occurrences of unsteady network transmission, live streaming may lag and not be very smooth. If you enable this option, the live streaming will be stored on the client PC cache memory for a few seconds before being played on the client computer's live view window. This helps produce a smoother live streaming. If you enter a value of 3,000 milliseconds, the streaming will delay for 3 seconds.