How to Configure and Adjust Quality Settings for Remote Recorders

Overview

The Panopto Remote Recorder grants you the ability to schedule a video session in advance that will automatically start and stop. In this article, you will learn how to manage your remote recorder configuration and verify the status of the Remote Recorder via the preview page.

Prerequisites

- Admin access to Panopto

Note: You cannot have Panopto for Windows currently running while a scheduled remote recording is about to take place. The Remote Recorder will not be able to record properly.

1. Preview a Remote Recorder

1.1. Click on System < Remote Recorders (Fig. 1).

1.2. Click on the name of the Remote Recorder (Fig. 2), and this will open the preview window (Fig. 2a).

Note: The video preview is a static image that auto-refreshes every 10 seconds.
1.3. This is what is shown on the preview page:

**Audio:** Lists the timestamp of the last audio sample taken from this recorder, along with a histogram from this sample.

**Status:** In our example, the Remote Recorder is previewing. A Remote Recorder's status may be:

- **Previewing:** Remote Recorder is in a working state and has a primary source.
- **Stopped:** Remote Recorder does not have a primary audio source, but has other available recording sources; it may be used as a secondary Remote Recorder in this state.
- **Blocked:** The Remote Recorder application is blocked from previewing, most commonly due to Panopto for Windows being launched on the machine.
- **Disconnected:** The Remote Recording machine is off or does not have an active network connection.
- **Recording:** The Remote Recorder is currently capturing a session.

**Record:** If the Remote Recorder is in the "Previewing" or "Stopped" status, you can start recording by selecting a session title, folder, duration. You may also webcast the session if desired. Click **Record** when ready to start.
2. Accessing the Remote Recorder Configuration Page

2.1. Click on System < Remote Recorders (Fig. 3).

2.2. Click on the name of the Remote Recorder you want to configure (Fig. 4).

2.3. This will open the preview window by default. After it loads, click on Configuration (Fig. 5).

2.4. You will be taken to the configuration page for your selected Remote Recorder (Fig. 6).
3. Device Configuration

3.1. **Capture**: Checking or unchecking this box next to a device enables or disables the device for recording (Fig. 7).

3.3. **Device Name**: Lists the name of the recording source (Fig. 8).
3.4. **Primary Video**: If Capture is selected, and this corresponding checkbox is enabled next to a device, the camera will be used as the primary video source (Fig. 9). Other captured video sources will be recorded as secondary streams.

3.5. **Primary Audio**: Like the primary video, if Capture is selected, and this corresponding checkbox is enabled next to a device, this recording hardware will be used as the primary audio source (Fig. 10).

*Note: If the device does not have an audio device, the Remote Recorder will only be able to be used as a secondary Remote Recorder (Fig. 10a).*

3.6. **Capture Screen**: Selecting this will capture the available screen/s on the recording machine (Fig. 11).

3.7. **Capture Slides**: Selecting this will capture the PowerPoint slides during the recording if the user presents a PPT file (Fig. 11).

4. **Quality Settings**

4.1. Below device configuration, the quality settings for recordings using this remote recorder can be changed.
4.1. **Primary Video Quality**: Choose the primary video quality by moving the slider up or down depending on the quality you desire.

- **Basic**: Target Resolution - 320 x 240, 30 fps, 250 kbps
- **Standard**: Target Resolution - 720 x 576, 30 fps, 600 kbps
- **High**: Target Resolution - 1024 x 600, 30 fps, 1000 kbps
- **Ultra**: Target Resolution - 1280 x 720, 30 fps, 1500 kbps

4.2. **Secondary Video Quality**: Secondary video quality is also set using the slider method above. Note that all secondary video sources will capture at this quality level.

- **Basic**:
  - Motion: Target Resolution - 1280 x 1024, 4 fps, 340 kbps
  - Resolution: Target Resolution - 1280 x 1024, 4 fps, 340 kbps
- **Standard**:
  - Motion: Target Resolution - 960 x 640, 15 fps, 500 kbps
  - Resolution: Target Resolution - 1280 x 1024, 8 fps, 500 kbps
- **High**:
  - Motion: Target Resolution - 1280 x 720, 30 fps, 1000 kbps
  - Resolution: Target Resolution - 1280 x 1024, 12 fps, 750 kbps
- **Ultra**:
  - Motion: Target Resolution - 1280 x 1024, 30 fps, 1500 kbps
  - Resolution: Target Resolution - 1920 x 1080, 15 fps, 1500 kbps

4.3. **Optimized for**: Clicking **Motion** will modify the secondary settings to record at a lower resolution, but higher frame rate, while selecting **Resolution** will favor recording quality over frames per second.

4.4. Clicking **Apply these settings instead** will overwrite previously scheduled recording with these settings (Fig. 13).
5. Additional Settings

5.1. **Default Folder:** Below the quality settings, you can change the default folder for the Remote Recorder by selecting Edit. You are able to select a folder when scheduling a recording, but unscheduled recordings that are started from the machine will go into this folder (Fig. 14).

5.2. **Remote Recorder Time Zone:** Select the time zone where the machine is located (Fig. 15).

6. **Apply Quality Settings for All Remote Recorders on Your Site**

6.1. Click on **System < Remote Recorders** (Fig. 16).

6.2. On this page, click on **Settings for all remote recorders** (Fig. 17).
6.3. This will launch the **Quality Settings for all Remote Recorders** window (Fig. 18).

6.4. **Primary Video Quality**: Choose the primary video quality by moving the slider up or down depending on the quality desired.

6.5. **Secondary Video Quality**: Choose the secondary video quality by moving the slider up or down depending on the quality desired. Note that all secondary video sources will capture at this quality level.

6.6. **Optimized for**: Clicking "Motion" will modify the secondary settings to record at a lower resolution, but higher frame rate, while selecting "Resolution" will favor recording quality over frames per second.

6.7. Clicking **Apply these settings instead** will overwrite previously scheduled recordings and all other Remote Recorders with these settings (Fig. 19).

*Note: Modifying any of these quality settings will automatically configure new Remote Recorders with the chosen settings upon installation.*

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