### Revisions

<table>
<thead>
<tr>
<th>Issue</th>
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<tr>
<td>A</td>
<td>03/2013</td>
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Connecting to the DVR

Before You Begin

Before you connect to the DVR, ensure that your PC meets the following system requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Requirement Details</th>
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<tbody>
<tr>
<td>Operating System</td>
<td>Windows 7, Windows XP</td>
</tr>
<tr>
<td>CPU</td>
<td>Pentium 4, 3.0 GHz or faster</td>
</tr>
<tr>
<td>System Memory</td>
<td>1 GB of available RAM</td>
</tr>
<tr>
<td>Display</td>
<td>1024 × 768 screen resolution</td>
</tr>
<tr>
<td>Web Browser</td>
<td>Internet Explorer 8 or later</td>
</tr>
</tbody>
</table>

Logging In

To connect to your HRG DVR remotely via a web browser you will need to obtain the DVR’s IP address, HTTP port number, and server port number. This information is listed in the DVR’s network menu.

- To find the DVR’s local (LAN) static IP address, go to **Menu ➤ Settings ➤ Network**.
- OR -
- If configured with a dynamic (DHCP) IP address, go to **Menu ➤ Settings ➤ Network ➤ Network Status**.

- To find the HTTP and server port numbers, go to **Menu ➤ Settings ➤ Network ➤ Advanced ➤ Host/Others**.

If you will be connecting to your DVR from outside your network, you will also need to have port forwarding set up on your router. Contact your network administrator or your router manufacturer’s tech support representative if you require assistance.
To log in to the DVR remotely

1. Open Internet Explorer.

2. Type the IP address and HTTP port of the DVR in the browser’s address bar, with the HTTP port separated from the IP address by a colon (:), and then press Enter.

For example, if the IP address of the DVR is 164.178.45.193 and the HTTP port is 8131, you would type `http://164.178.45.193:8131` in the address bar.

Alternatively, if your DVR is configured to use the hrgDDNS service, type `www.hrgdvr-ddns.com/devicedomainname` in the address bar.

For example, if the DVR’s domain name is hrg-sample-dvr, you would enter `www.hrgdvr-ddns.com/hrg-sample-dvr`.


The login screen opens in the browser.

3. Type your DVR administrator user name and password and the server port number of the DVR, and then click Login.

4. Allow your browser to run the requested add-ons.
When the browser has finished installing the add-ons the HRG remote web client application opens in the browser.
Viewing and Recording Live Video

Preview Tab Overview

In the Preview tab, you can do following tasks:

- view live video
- control PTZ cameras
- record live video to PC hard drive
- adjust the picture settings for each camera (brightness, contrast, saturation, hue)
- capture still images
Viewing Live Video

You can view live streaming video in your browser from cameras connected to your DVR. You can view live video from a single camera in single-screen mode or you can view live video from multiple cameras simultaneously in multi-screen mode.

To start viewing live video

1. In the lower left corner of the Preview area, select the display mode that you want to use by clicking one of the following buttons:
   - Single-screen (4ch/8ch/16ch)
   - 2×2 (4ch/8ch/16ch)
   - 3×3 (8ch/16ch)
   - 4×4 (16ch)

2. From the list of cameras at the left of the browser window, click the play button ▶ next to the camera you want to view.

   The play button changes to ▶ and live video from the selected camera appears in the selected screen (indicated by a green border).

3. If you are in multi-screen mode, click another screen so that the green border appears around it, and then click the play button ▶ next to the camera you want to view in that screen. Do this for each camera that you want to view.

To display live video full screen

- In the upper right corner of the Preview area, click ▘ to display the video in full screen mode. Click ▘ again to return to normal screen mode.

To stop viewing live video from selected cameras

- From the list of cameras at the left of the browser window, click the play button ▶ next to the camera(s) that you want to stop viewing.

   The play button changes back to ▶ and video from the selected camera(s) no longer appears in the selected screen.

To stop viewing live video from all cameras

- At the bottom of the Preview area, click □ (Stop All Preview).
Recording Live Video to Your PC

You can record live streaming video from one camera or from several cameras simultaneously to your PC hard drive. The recorded video is saved to your computer in MPEG-4 (MP4) format.

**To record live video from selected cameras**

- From the list of cameras at the left of the browser window, click the record button 📽 next to the camera that you want to record video from.

  The record button changes to 📹 and the camera’s live video feed starts being recorded to your PC hard drive.

  **Note**  The camera must already be playing video 📽 before you can start recording video.

**To record live video from all the cameras**

- At the bottom of the Preview area, click 📹 (Start All Recording).

  All currently playing live video feeds start being recorded to your PC hard drive.

**To stop recording live video from all the cameras**

- At the bottom of the Preview area, click 📹 (Stop All Recording).

  This stops the recording to your PC hard drive of all currently playing live video feeds. The destination folder where the recorded video files are stored opens automatically on your desktop.

  **Note**  The destination folder is also listed in the Config tab in the Local Config ➤ Path for saving recorded files box.
Saving a Screen Capture

You can save a screen capture from the live video feed to your PC hard drive. Screen captures are saved in bitmap (BMP) format.

To save a screen capture

- At the bottom of the Preview area, click ✉️ (Capture).

The screen capture is saved to your PC hard drive and the destination folder where the file is stored opens automatically on your desktop.

Note The destination folder is also listed in the Config tab in the Local Config ➤ Path for saving preview captured images box.

Controlling PTZ Cameras

You can control PTZ (pan-tilt-zoom) cameras connected to your DVR from your browser.

Direction arrows for controlling PTZ movement

Zoom in / Zoom out
Focus near / Focus far
Iris open / Iris close
PTZ speed
Light, wiper on/off (if available)
Go to preset

Preset 01
Adjusting Camera Picture Settings

You can adjust the brightness, contrast, saturation, and hue of the live video image.

To adjust the picture settings

• Click or to increase or decrease the brightness, contrast, and saturation, or to change the hue.

The web client will remember the settings for each camera even after you log out.
To restore the default settings, click

Managing Audio Settings

If your DVR is set up to monitor sound, you can listen to audio and send audio to the DVR.

Audio In/Audio Out Settings

Audio is off
Audio is on
Microphone is off
Microphone is on

The audio is muted by default. To turn it on, click (Audio On/Off).

Note The camera’s stream type must be set to Video & Audio to send an audio signal (Config ➤ Remote Config ➤ Channel Parameters ➤ Video Parameters).

To adjust the volume, click the small arrow next to the audio button. Drag the slider with your mouse to increase or decrease the audio volume.

The microphone feature is disabled by default. To enable it, click (Voice Talking).
Viewing Recorded Video

Playback Tab Overview

In the Playback tab, you can search for and play back recorded video. You can also save captured still images and video files to your hard drive.

Searching Recorded Video

You can use the calendar and timeline to quickly search recorded video.

To search recorded video

1. Click the Playback tab.

2. Click the camera you want to search from the list of cameras at the left of the browser window.

3. In the calendar on the right of the browser window, click the date you want to search, and then click Search.
The camera name and a colored time bar appears at the bottom of the browser window, indicating that recorded video is available for playback. The color of the time bar indicates the type of recording (command, scheduled, alarm, manual).

4. Drag the time bar with your mouse to specify the time you want to start playing video from.

### Playing Recorded Video

After you have selected the camera, date, and playback start time, you can play recorded video.

**To play recorded video**

- Click  (Play) to start playing the selected video.
- Click  (Fast Forward) to speed up playback. Clicking the button again increases the playback speed.
- Click  (Slow Forward) to slow down playback. Clicking the button again decreases the playback speed.
- Click  (Frame By Frame) to play back the video one frame at a time.
- Click  (Pause) to pause playback.
- Click  (Stop) to stop playback.

During playback, you can drag the time bar to a new start time, or you can enter the a new start time manually. To enter the start time manually, click  (located below the calendar), select the time \((hh:mm:ss)\), and then click  Go.

**To display recorded video full screen**

- In the upper right corner of the Playback area, click  to display the video in full screen mode. Click  again to return to normal screen mode.
Saving a Screen Capture from Recorded Video

You can save a screen capture from recorded video to your PC hard drive. Screen captures are saved in bitmap (BMP) format.

**To save a screen capture**

- At the bottom of the Playback area, click (Capture).

  The screen capture is saved to your PC hard drive and the destination folder where the file is stored opens automatically on your desktop.

  **Note** The destination folder is also listed in the Config tab in the Local Config path for saving playback captured images box.

Creating a Video Clip from Recorded Video

You can create and save a video clip to your PC hard drive when playing back recorded video. The clip is saved in MPEG-4 (MP4) format.

**To create a video clip**

1. In the Playback tab, select the camera, date, and start time of the recorded video you want to play back (see Searching Recorded Video on page 11).
2. Click to play the selected video (see Playing Recorded Video on page 12).
3. Click to start copying the video.
   
   The Save As dialog box opens.
4. In the Save As dialog box, rename the clip, navigate to the location where you want to save the clip, and then click Save.
   
   The Video Clip button changes to to indicate that video is being copied.
5. Click to stop copying the video.
Archiving Recorded Video

You can archive recorded video to your PC hard drive for later viewing.

To archive recorded video

1. In the Playback tab, select the camera and date of the recorded video you want to archive (see Searching Recorded Video on page 11).

2. Click the Down button at the lower right of the browser window.

   The Recording Files Download dialog box opens.

3. Select the check box next to the recorded video files you want to copy, and then click Download.

   The files you have selected are downloaded to your hard drive. A confirmation message appears when the download is complete. The destination folder where the files are saved is listed in the Config tab in the Local Config > Path for saving download files box.
Viewing the Log

Log Tab Overview

In the Log tab, you can view and save the activity log for your DVR. The log entries are classified into four major types:

- **Alarm**  
  *Example*: Motion Detection Alarm Starts/Ends

- **Exception**  
  *Example*: Illegal Access (e.g., incorrect password entered)

- **Operation**  
  *Example*: Remote Log On/Off, Remote Configure Parameters, Remote Playback by Time

- **Information**  
  *Example*: Start Recording, Stop Recording
Searching the Log

The log is searchable by date. You can narrow your search further by specifying a particular log type and/or time to search.

To search the log

1. In the Log tab, in the Log Search area, under Log Type, select one of the following log types:
   - All
   - Alarm
   - Exception
   - Operation
   - Information
2. Under Select Date, select the date you want to search.
3. Optionally, you can also define a specific time frame to search.
   a. Select the check box next to Start.
   b. Enter the start and end times to search (in hh:mm:ss format).
4. Click the (Search) button.

The DVR's activity log opens in the main window.
Viewing the Log

The log entries appear in the main window in a numbered list under the following headings: Log Time, Major Type, Minor Type, Channel Number, Remote User, Remote Host Address, and Local User. Scroll down the list to view all the entries.

To view more details about "Information"-type log entries, double-click the log entry.

Saving the Log

You can save the activity log you are viewing as a Microsoft Excel spreadsheet.

To save the log

1. Click Save Logs.

2. In the Export dialog box, rename the log, navigate to the location where you want to save the log, and then click Save.
Configuring the DVR

Config Tab Overview

In the **Config** tab, you can configure the DVR and camera settings remotely. For more information on how to configure these settings, refer to the HRG DVR user guide (800-12005V1) available for download at [https://www.honeywellvideo.com/products/recorders/em/363466.html](https://www.honeywellvideo.com/products/recorders/em/363466.html).