



Calypto-Perkins

Webcam Manual

Chapter 1

Introducing the Calypto-Perkins Webcam Surveillance System

About Calypto-Perkins Webcam

Calypto-Perkins Webcam captures images up to 30 frames per second from any video device including USB cameras, Analog cameras connected to capture card, TV-boards, camcorders with FireWire (IEEE 1394) interface and from Network cameras. The program broadcasts captured live audio and video content in real time to client computers either from your computer or through any FTP server.

Viewers can watch real video and audio using or Internet browser, or another copy of the Calypto-Perkins Webcam program.

When the program detects motion in the monitored area, it can sound an alarm, e-mail you the captured images, and start broadcasting or record a video.

The program has features to add text captions and image logos to the images, to place a date/time stamp on each video frame, and to adjust the frame rate, picture size, and quality.

Ways to Use:



Banking

Financial institutions can install Calypto-Perkins surveillance solutions at offices to increase security. Separate video files of each specific action can be stored onto a central Web server for potential future investigation. High image quality leads to easy identification of people and at the cashier in the branch office. Ability to encrypt video files gives additional proof of identity.



Buildings, offices, shopping-malls and parking lots

Calypto-Perkins surveillance solutions can monitor buildings, offices, shopping-malls and parking lots securely and easily, thus making these places safer for all visitors. At night, surveillance system can be used to monitor the facility. In the event of an unauthorized entry, motion detection can initiate recording of the intruder and send an immediate notification to security.



Retail

Calypto-Perkins surveillance solutions provide additional security over traditional analog systems for retail stores who are constantly exposed to the threat of robbery. Live video is transmitted over Internet and can be stored on a web server in a secure place, rather than on a tape cassette that is reachable by potential criminals.



Home security

During the day, you can watch your children, parents, pets etc. remotely through Internet. At night, motion detection can trigger an alarm, start recording video, and scare off intruders with a sound siren.

System Requirements

The program needs the following computer configuration to run:

- Intel® Pentium® 1 GHz or better;
- 256MB RAM;
- 1GB free disk space;
- Microsoft Windows;
- A frame grabber with video source (camera, VCR, etc.), or USB camera, or Network camera.
- A mouse;
- A color monitor.

Installing the program

On the computer's screen click **Start**, then **Run** and execute the Calypto-Perkins Webcam installation file.

If you would like to install the software in a different directory, you can click the **Browse** button to change the installation folder. Click the **Install** button to continue installation.

When the installation is completed, a group named **Calypto-Perkins** would be created in **Programs** under the **Start** menu.

Uninstalling the program

To remove the program from your computer:

- Click **Start, Programs** then **Calypto-Perkins** and click on **Calypto-Perkins Webcam Uninstall**.

USB Camera

To connect a USB camera to your computer:

- Install software which comes with camera.
- After rebooting your computer, connect camera to USB Port on your computer.
- Windows shows notification **New Hardware Found** and "Hardware Wizard" installs drivers for newly added hardware.
- If "Hardware Wizard" cannot find drivers for this camera refer to the camera manual for additional information.
- Run the **Calypto-Perkins Webcam** program.
- Select **Search Cameras** from the **File** menu.

The program searches cameras connected to your computer and displays each camera in separate window.

IP Camera

To connect to an IP camera:

- Run the **Calypto-Perkins Webcam** program.
- Click **New Camera** from the **File** menu.
Camera Setting dialog box appears.
- Follow instructions at the **Network Cameras** topic (page 16) to properly install and configure your IP camera.

To configure network camera

The **Camera Interface** button helps to select the camera model and set up command strings, which are used for image requests.

Click the **Camera Interface** button.

In the **String to request JPEG image** box type command to read image from camera. For example:

`http://{USER_ID}:{PASSWORD}/cgi-bin/video.jpg`

The program uses the following abbreviation to replace parameters in the interface strings:

{CAMERA_IP}	Replaces camera's IP address and IP port, for example: 192.168.1.101:8080
{USER_ID}	ADMIN
{PASSWORD}	PASSWORD
{<BASE20>USER_ID}	Encodes using "Base20" encoding and replaces user name entered in the User ID box.
{<BASE20>Password}	Encodes using "Base20" encoding and replaces password entered in
