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Point 2 View User Manual

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1 GETTING STARTED

Welcome to Point 2 View, a next-generation webcam that provides advanced features and flexibility to make your web video experience rich and creative.

Key benefits of your Point 2 View:

Flexible positioning
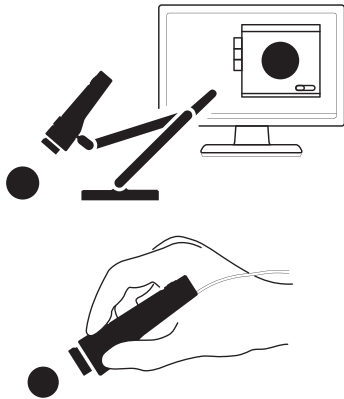
Traditionally, webcams are mounted on your desk or monitor. Point 2 View gives you a wider range of options.

- Point 2 View comes with a unique jointed stand which allows you to position the webcam as you choose. You can flex the stand to different configurations; you can tilt and rotate the webcam on top of the stand, or attach it to either side of the stand. The stand provides broad flexibility while remaining stable and secure.
- Your Point 2 View is shaped like a pen and has a natural feel in your hand. Hold the Point 2 View and move it anywhere you like, letting the camera capture your personal Point of View - you're the director.

Easy autofocus
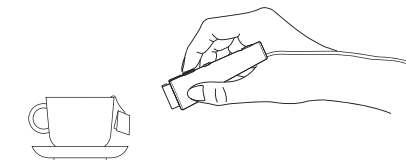
You don't have to worry about being out of focus with the Point 2 View. It has two autofocus modes:

- Continuous Autofocus automatically brings itself into focus when its position or objects in the image change, giving you hands-free operation.
- Single Autofocus delivers a video or snapshot with a fixed focus point. Press the Focus key or Focus Button (in the Software) to adjust the focus to your liking.

And, your Point 2 View delivers first-rate macro performance, which allows you to get within inches of an object - and still get a crisp picture.

Smart P2V Software
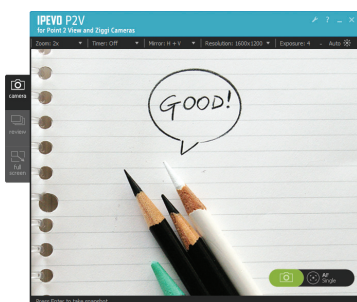
P2V (Point 2 View) Software is dedicated software developed to expand Point 2 View's capabilities and give you more choices. P2V Software lets you view the video image and make adjustments, and with one click you're in Full Screen mode - excellent for presentations. The software allows you to focus and take snapshots, and then helps you store and manage those photos. P2V Software makes it easier than ever to capture your Point of View.

Installing the P2V Software

System requirements

PC:

- Microsoft Windows 7, Vista or XP
- 1.4GHz CPU or higher (2.4GHz recommended)
- 512MB RAM (1GB recommended)
- 200MB free hard disk space

Mac:

- Mac OS X 10.5 or higher
- 1.4GHz CPU or higher (2.4GHz recommended)
- 512MB RAM (1GB recommended)
- 200MB free hard disk space

Installing P2V Software

PC:

Insert the CD into your computer and run the setup program. Follow the on-screen prompts to complete the software installation process. As part of the installation, a P2V Software icon will be installed into the task bar at the bottom of your computer screen.

Mac:

Insert the CD into your computer and activate the disk image file (*.dmg). Copy the P2V application file into the Applications directory.

Connecting your Point 2 View

1. Connect Point 2 View to a USB port on your computer using the webcam's built-in USB connector.
2. Open your P2V Software, if it's not already running. It opens in Camera mode by default. You will see the video image being transmitted by Point 2 View.

Camera mode (default)

Reviewing key parts of the Point 2 View Hardware

The manual controls on Point 2 View let you bring Point 2 View into focus and take snapshots.
The three-jointed stand provide both flexibility and stability.

A	AF (Autofocus) mode switch	Selects auto-focusing behavior between S (Single) and C (Continuous). For more information, see *Selecting Autofocus (AF) mode on Point 2 View*, page 8.
B	Focus key	Press to bring Point 2 View into focus. For more information, see *Bringing Point 2 View into focus,* page 8.
C	Snapshot key	Press to take a snapshot photo of the image presented in the P2V Software screen when you're in Camera mode. For more information, see *Taking snapshots*, page 10.
D	Stand	Desktop stand with three hinges and vertical/horizontal connectors allows you to position Point 2 View however you like. For examples of usage, see *Positioning Point 2 View*, page 12.
E	Power indicator	Turns on (green) when Point 2 View is connected to a computer.
F	Video indicator	Turns on (red) when Point 2 View video input is recognized by the computer.

Reviewing key parts of the P2V Software

P2V Software's easy-to-use, intuitive interface makes it easy to view and manage videos and snapshots. The main screen gives you three modes to work in:

- Camera mode shows you the video the webcam is capturing.
- Review mode shows your photo snapshots.
- Full Screen mode shows the video in full screen.

Camera mode (default)
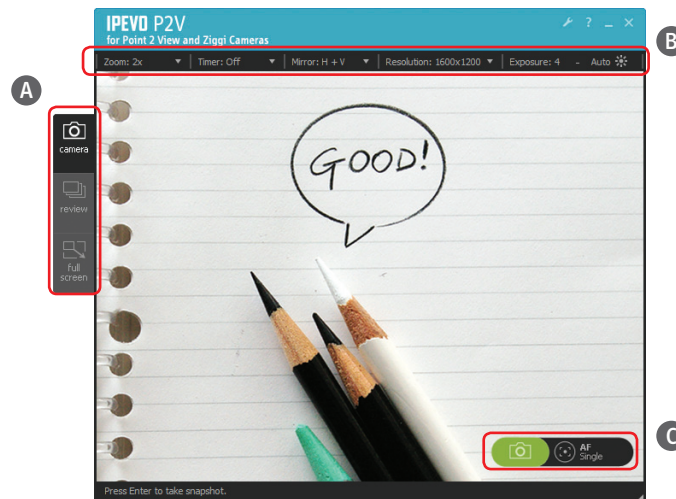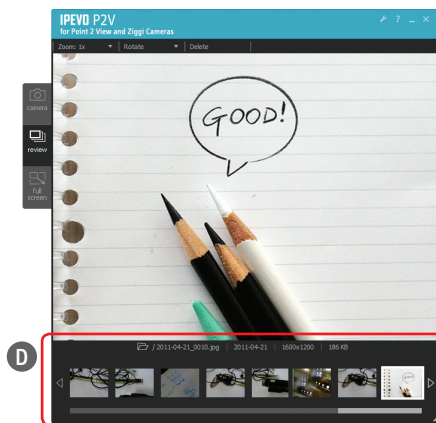
Review mode	Full Screen mode

A	Mode tab	Switches between the three function modes: Camera, Review and Full Screen.
B	Menu bar	Lists menu for major functions and shows currently selected options.
C	Snapshot / Focus control	Provides indicators and software buttons for Snapshot and Focus functions.
D	Thumbnail view	Lists thumbnail views and file information of taken snapshots.
E	Esc button	Brings Full Screen mode back to Camera mode.

NAVIGATING THE P2V SOFTWARE INTERFACE

Camera mode

Review mode

Full Screen mode
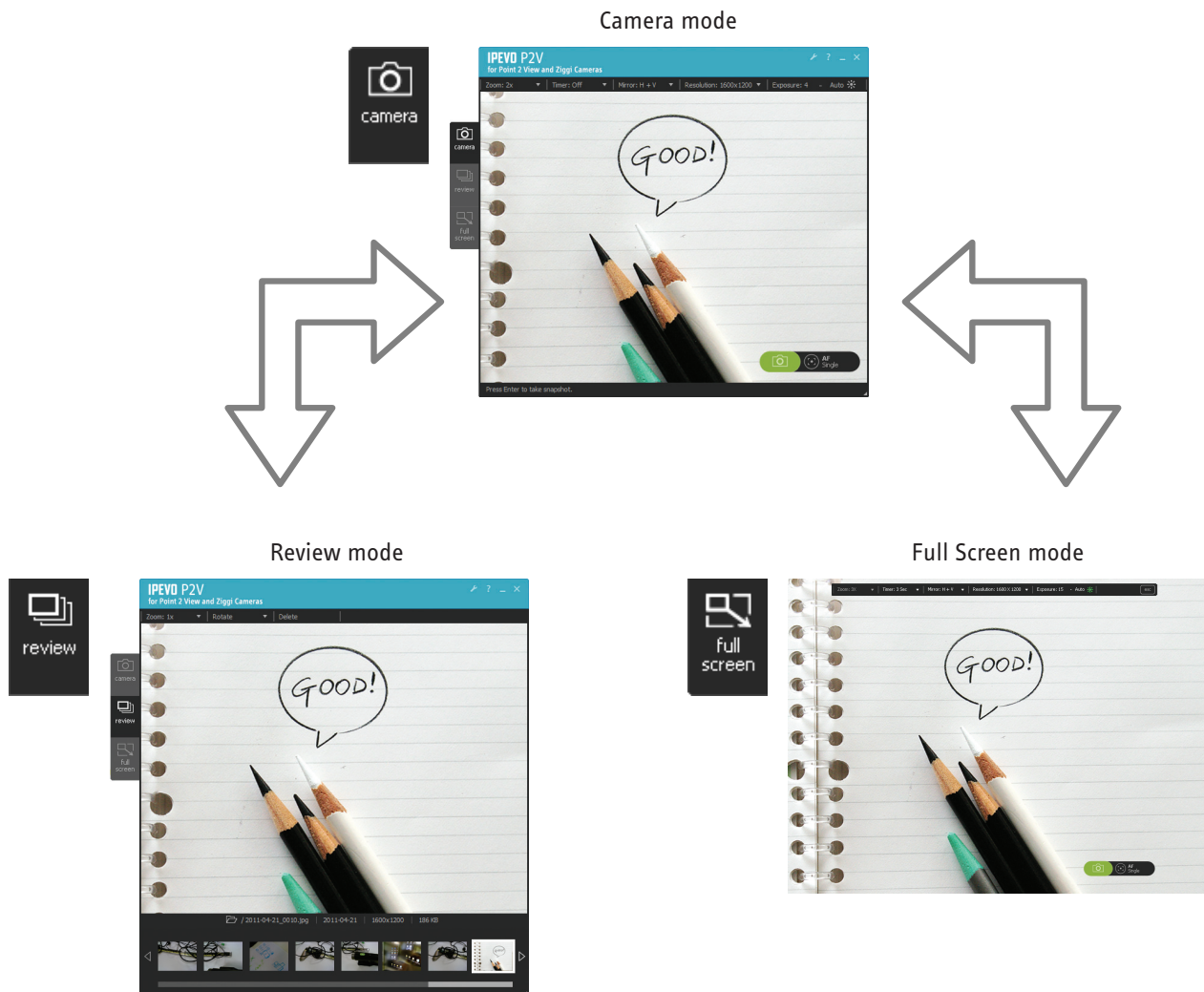
CAMERA MODE: FOR VIEWING VIDEO AND TAKING SNAPSHOTS.

Camera mode is the default view on the main screen in Point 2 View Software. Here you can monitor and adjust the video images, control the focus, and take snapshots. When you want to review your snapshots or share a video image in presentations, switch to the other modes by clicking the Mode tab. When you're done, return to Camera mode.

REVIEW MODE: FOR REVIEWING AND NAVIGATING TAKEN SNAPSHOTS.

After you take snapshots in Camera mode, you can review your photos. Select Review mode to view your photos and do simple editing (zoom, copy and delete). You can open the Photo Library folder to work with your snapshots in graphics programs.

FULL SCREEN MODE: FOR SHARING VIDEO AND IMAGES WITH OTHERS.

Choose Full Screen mode to share your video images. The video image will fill the whole screen, with two floating icons that allow you to control focus and snapshot (as in Camera mode). You can choose not to show the icons by clicking on the screen, so your full-screen video is completely clear of distractions.

SEEING HOW EASY IT IS TO STAY FOCUSED

Point 2 View makes it easy to focus clearly. You can choose either Continuous or Single Autofocus, and bring it into focus only when necessary. Before you begin, make sure you are either in Camera mode or Full Screen mode with a video image on the screen.

SELECTING AUTOFOCUS (AF) MODE ON POINT 2 VIEW

Use the AF switch on Point 2 View to select either Continuous (C) or Single (S) Autofocus, depending on your purpose.
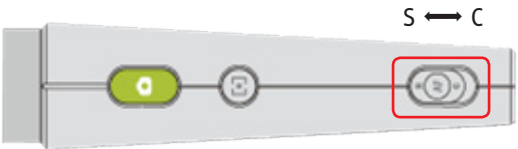
Mode	Description	Useful for...
Continuous	Point 2 View automatically refreshes its focus when its position changes, or objects in the image change.	• Hands-free operation • Frequent switching between near and far objects
Single	Point 2 View refocuses only when the Focus key on Point 2 View is pressed, or the Focus button in P2V Software is clicked.	• Taking multiple photos in a static condition

Whichever Autofocus mode is currently selected is indicated in the bottom right corner of P2V Software's Camera mode.

BRINGING POINT 2 VIEW INTO FOCUS

You can bring Point 2 View into focus by pressing the Focus key on Point 2 View, or by clicking the Focus button in P2V Software. The functionality is the same in either case and is especially useful when you have selected Single AF (Autofocus) mode, but it also works in Continuous AF mode.
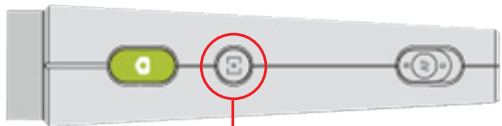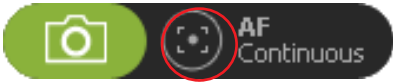
Focus key (hardware)   Focus button (software)

Follow these steps to bring Point 2 View into focus.

1. Press the Focus key on Point 2 View or click the Focus button in P2V Software.
2. A red focus frame appears at the center of the display, indicating focusing has begun. A single "beep" sound is generated.
3. When focusing is complete, the focus frame turns green, accompanied by a dual "beep" sound.
4. The focus frame disappears.

Disabling the "beep" sound (optional)
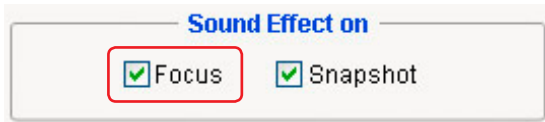
Windows:
 1. Click the Settings icon in the menu bar
 2. Click the General tab
 3. In the Sound Effect on box, uncheck Focus
Mac:
 1. Click *P2V > Preferences...* menu
 2. Click the General tab
 3. In the Sound Effect on box, uncheck Focus

Taking snapshots

Taking snapshots of a video image is simple and straightforward. First, make sure that P2V Software is running. Then choose the most convenient way to take a snapshot:
- Press the Snapshot key on Point 2 View, or
- Click the Snapshot button in P2V Software, or
- Press the Enter (Windows) or Return (Mac) key

When you take a snapshot:
- A snapshot sound is generated.
- The video image in Camera mode freezes for a moment, showing the Instant Preview of your snapshot.

> TIP:
> Instant Preview provides a quick glance at your snapshot, so you can see whether or not you've captured the desired photo without going to Review mode

Navigating photos in Review mode

You can review your snapshots in P2V Software's Review mode.
1. Click the Review mode tab to switch to Review mode. The most recently taken photo is displayed in the main screen with file information below the photo.
2. Recent photos are shown at the bottom. You can move from photo to photo by using the Left / Right key or clicking the Left / Right icon. You can also use the scroll bar at the bottom to scroll through your photo library.

Disabling the "snapshot" sound (optional)
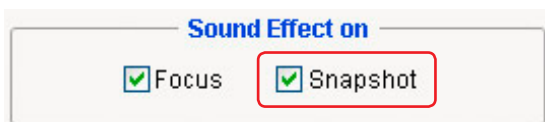
Windows:
  1. Click the Settings icon in the menu bar
  2. Click the General tab
  3. In the Sound Effect on box, uncheck Snapshot

Mac:
  1. Click *P2V > Preferences...* menu
  2. Click the General tab
  3. In the Sound Effect on box, uncheck Snapshot

MODIFYING OR DISABLING INSTANT PREVIEW (OPTIONAL)

Instant Preview is set to 2 seconds as a default. You can choose to reset Instant Preview to 4 seconds, or you can turn it off.
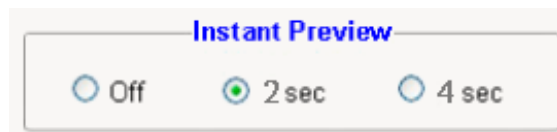
Windows:

1. Click the Settings icon in the menu bar

2. Click the General tab

3. In the Instant Preview box, click your preference: 4 seconds or 2 seconds, or turn Instant Preview off.

Mac:

1. Click *P2V > Preferences...* menu

2. Click the General tab

3. In the Instant Preview box, click your preference: 4 seconds or 2 seconds, or turn Instant Preview off.

USING THE TIMER FUNCTION

Make sure that P2V Software is in Camera mode, and then locate the Timer menu. You can choose between 3 seconds and 10 seconds.

• The 10-second mode is useful for taking group shots with your family and friends.

• The 3-second mode is particularly useful when taking a snapshot with Point 2 View; it allows a buffer time for Point 2 View to stabilize, making for a crisper picture.

When using the Timer function:

• A countdown "beep" will be generated each second until the shutter snaps.

• Countdown number icons will replace the Focus/Snapshot graphics.

Positioning Point 2 View

With Point 2 View, your webcam is no longer tethered to your monitor. Point 2 View is shaped like a pointer, making it easy to use in your hand. And its flexible, stable stand allows you to share views of objects and documents.

Viewing objects and the macro capability

You can move your Point 2 View on its stand to view an object, or arrange the stand and then attach the Point 2 View. The stand has three joints and a swivel. Once you arrange it however you choose, it remains stable in that position until you change it.
Point 2 View's Single Autofocus is recommended for viewing stationary objects.

Point 2 View also delivers excellent macro performance in both Single and Continuous Autofocus, which ensures a clear image even in close-up.

TIPS:
• Point 2 View enables you to get within about 2 inches (5cm) of an object and still focus clearly.
• When you are in Single Autofocus mode, press the Focus key on Point 2 View or click the Focus button in P2V Software to bring Point 2 View into focus.

2 Using Basic Features

Sharing documents

It's easy to use Point 2 View to share documents. Just follow these steps:

1. Place your Point 2 View stand at the side of the document (so that it does not block the document or your view).
2. Flex the arm so that the head of the stand is above the center of the page.
3. You can also Point 2 View to the side connector on the head (so that the image orientation matches your view).
4. Turn on your P2V Software, make any necessary adjustments, and select Full Screen mode.
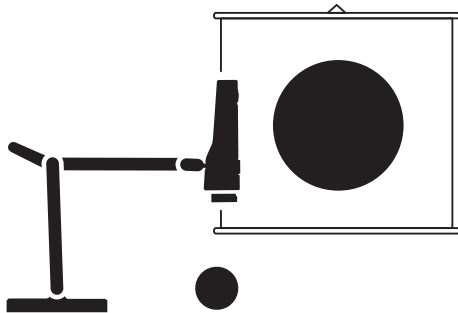
TIP:
You can also use the Mirror (flip) function to adjust the image orientation. For more information, see Flipping images (the Mirror function), page 15.

Point 2 View's Camera mode contains various features for managing how video images are presented onscreen. You can fine-tune image quality using the Image Adjustment function in the Settings window. For more information, see Advanced Features, page 20.
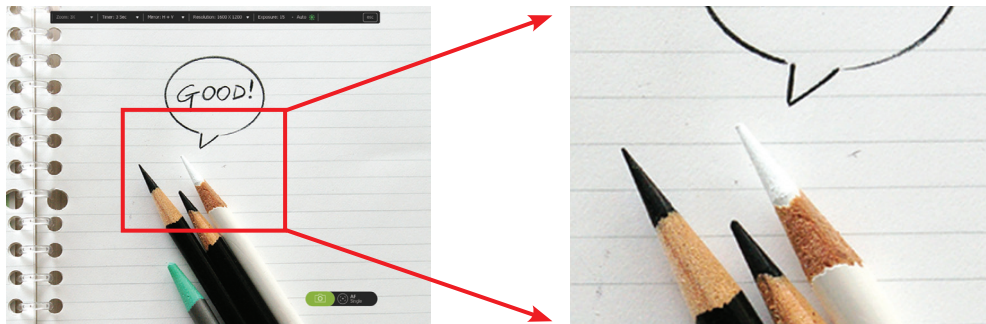
Zooming images

In Camera mode, open the Zoom menu and select the ratio. The video image will zoom toward its center. If you take a snapshot at this point, your photo will be of the zoomed image.

Zooming from 1 X (left) to 3 X (right)

TIP:
This is a digital zoom, therefore the image itself does not change when the zoom ratio is changed.

Controlling exposure

In Camera mode, open the Exposure menu and select the exposure level. It's useful to experiment with exposure using day and night lighting levels so you know what to expect when using Point 2 View in your environment.

TIPS:
- *This is a digitally simulated exposure, therefore the Point 2 View lens does not change its position.*
- *You can also control other image properties such as Brightness/Saturation/Hue from the Settings window, Image Adjustment tab. For more information, see Adjusting the video images, page 20.*

Flipping images (the Mirror function)

You can flip an image vertically or horizontally. In Camera mode, open the Mirror menu and choose functions. Flipping can be useful to help position an image for better viewing.

Original

Horizontal flip

Vertical flip

Horizontal + Vertical flip

Changing resolution

In Camera mode, open the Resolution menu. Higher resolution provides a better image, but it also makes a bigger (in bits), and thus slower, picture. When resolution is high, frame rate becomes lower and video response gets slower. When resolution is lowered, video gets faster.

TIPS:
- *"fps" means frames per second, also called "frame rate."*
- *Note that your actual frame rate will fluctuate, depending on the images.*

CHANGING WINDOW SIZE

To change the size of the viewing window, grab the bottom right corner of the window and drag it. Zoom ratio and video resolution do not change when the window size changes.
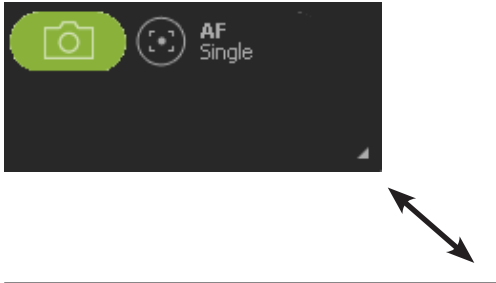
TIPS:
- *If you want the video to fill the entire screen, try Full Screen mode.*
- *In the Windows version of P2V software, you can also change the window size by dragging the right or bottom edge of the window.*

With Point 2 View, it's easy to take and review snapshots (see Using Basic Features, page 8). P2V Software's Review mode also offers simple, useful editing functions so you don't have to rely on other applications for routine tasks. You can zoom into a snapshot; rotate, copy or delete a photo; or access the Photo Library folder, into which all photos are automatically saved.

Zooming photos

In Review mode, open the Zoom menu and select the ratio. The photo image will zoom toward its center. When you close P2V Software, the photo will be reset to the normal (100%) view.
More ways to zoom:
• The scroll key on your mouse. Scroll forward to zoom in; scroll backwards to zoom out.
• Right-click on any part of the photo. The context menu pops up and offers zoom capability.
After zooming into the photo, you can pan it. Click the screen and drag it to see more areas of the photo.
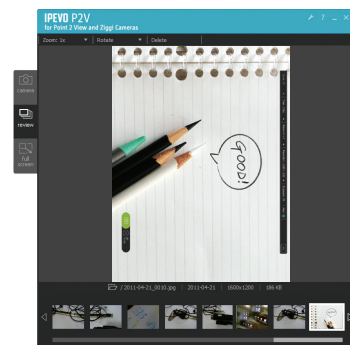
Rotating photos

In Review mode, open the Rotate menu. The photo rotates 90 degrees per each selection (four rotations will bring the photo back to its original orientation). The photo size will be automatically adjusted to fit the screen. When you close P2V Software, the image will be reset to standard orientation.

| Rotate left | Original | Rotate right |

Copying photos

You can copy a photo into Clipboard and paste it into another application. Just right-click on the photo and select Copy, or use the Ctrl + C (Windows) / Command + C (Macintosh) shortcut keys.

Deleting photos

1. Select the photos you want to delete. You can select multiple photos or even all photos by pressing Ctrl + A (Windows) / Command + A (Macintosh) shortcut keys. By default, the currently highlighted photo is selected.
2. In Review mode, click the Delete menu or right-click on the photo and select Delete. You can also press the Del (Windows) / Command + Delete (Macintosh) shortcut keys.
3. A confirmation prompt will appear. Click "OK" to confirm deletion.

Opening photo library folder

You have two ways to access your photo library folder:

• Right-click on a photo and select the *Go to Image folder* menu.

• Click the folder icon below the photo in the main window.
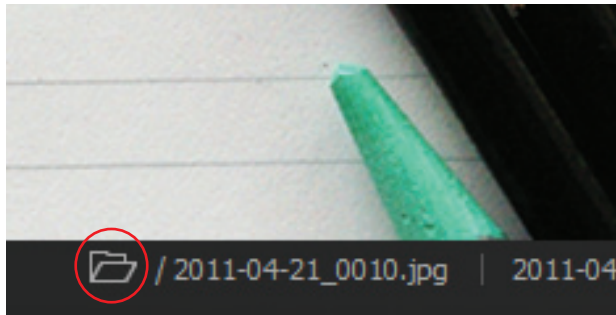
Folder icon

The File Manager activates, showing the photo library folder and its contents.

TIP:
The photos you take in Point 2 View are JPEG files; they can be opened and manipulated in any graphics editing program.
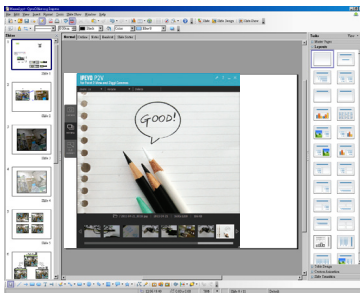
The Full Screen mode expands the video images into a full-screen presentation. This mode is particularly useful for presenting to an audience.

Entering Full Screen mode

1. Make sure you are in Camera mode with a video image showing on the screen.

2. Click the Full Screen tab. The video image will expand into full screen.

Before	After

3. By default, the same set of functional icons as in Camera mode will appear in the screen.
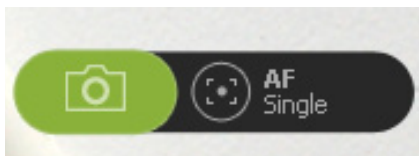
Clicking any part of the screen will hide the icons, providing an unobstructed view. Click the screen again to bring the icons back.

Canceling Full Screen mode

1. To cancel Full Screen mode, click the Esc icon at the top right corner of the screen , or press the Esc key.
2. The screen goes back to the Camera mode.

> *TIP:*
> *You can switch to Full Screen mode from Review mode, but you will always go to Camera mode when canceling Full Screen mode.*

6 Advanced Features

The advanced features are located in the Settings window. To open the Settings window:

- (Windows) Click the Settings icon in the menu bar.

- (Macintosh) Select *P2V > Preferences...* menu.

Adjusting the video images

You can fine-tune the video image quality using the Image Adjustment function.

1. Make sure you are in Camera mode with a video image showing on the screen.
2. Go to Settings window > Image Adjustment tab.
3. Move the slider for each characteristic and check its effect. The video image changes in real time.

To bring the characteristics back to their default values, click the Default button.

Parameter	Description
Brightness	Brightens or darkens the image.
Contrast	Increases or decreases the image contrast.
Gamma	Increases or decreases the middle gray levels.
Hue	Shifts color values and alters colors towards another one.
Saturation	Changes the image color from monochrome (low saturation) to high color value (high saturation).
Sharpness	Makes the image sharper or blurrier.

TIPS:
- *You can also control another characteristic - exposure level - from the Exposure menu in Camera mode. For more information, see Controlling exposure, page 14.*
- *You cannot adjust snapshot photos in Review mode; the adjustments must be made before the snapshot is taken.*

CHANGING THE PHOTO FILE NAME FORMAT

Snapshot photos are saved as JPEG files, and the file extension is always ".jpg". To help you manage your snapshots, you have two choices for file name formats, which can be edited from Settings, General tab > Photo Name Format.


YYYY-MM-DD_4digit	Prefixes the file name with the date information, followed by 4-digit serial number. Example: 2009-06-22_0001.jpg (= The first photo taken in June 22nd, 2009)
____4digit	Prefixes the file name with user-defined words, followed by 4-digit serial number. Example: IPEVO_0001.jpg (= The first photo taken with IPEVO as the user-defined word)

STARTING P2V SOFTWARE AUTOMATICALLY WHEN YOUR COMPUTER STARTS (WINDOWS)

If you are using a Windows operating system, P2V Software automatically opens when you turn your computer on, by default. The P2V Software icon remains in the bottom task bar.

You can turn this start feature off from the Settings window: Go to the System tab and check the No radio button on the box labeled *Auto run P2V when computer starts*.
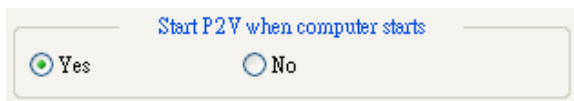
You can open P2V Software by right-clicking the icon in the task bar and selecting *Open*.
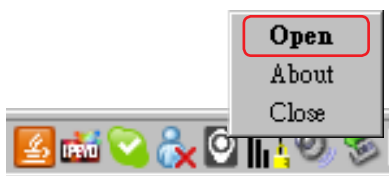
SELECTING LANGUAGE

You can select English (default) or Traditional Chinese as the menu language.

Windows: Select the language from Settings window > System tab > Language.
Macintosh: In Macintosh, language selection has to be done in the system level. Follow these steps.

1. Quit P2V Software.
2. Go to System Preference > International and select the language.
3. Make sure the language in the OS has changed.
4. Reopen P2V Software. The menu appears in the selected language.

KEEPING THE CAMERA MODE SETTINGS (WINDOWS ONLY)

You can let the P2V software memorize the Camera mode menu bar settings so that you do not have to reconfigure them each time you activate it.
You can toggle the setting on or off from Settings window > General tab > Keeping the Camera mode settings.
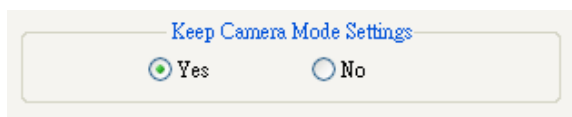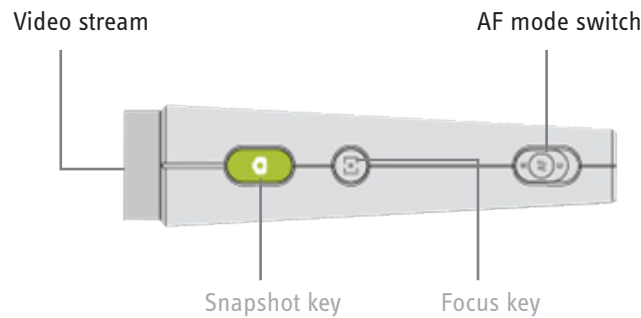

> TIPS:
> The P2V software always memorizes the configurations inside the Settings window (General tab, Image Adjustment tab) regardless of this setting.

You can use Point 2 View as a generic webcam in other applications for video calling, streaming, etc. As an example, we will illustrate how to use Point 2 View for video calls in Skype, a popular web call/chat software.

The diagram below summarizes which Point 2 View functionalities are available when used in other applications. Note that functions configured with P2V Software will be disabled while using Point 2 View in other applications.

Enabled: Video stream   AF mode switch

Disabled: Snapshot key   Focus key

> *TIPS:*
> * *To use Point 2 View in other applications, first close P2V Software, then open the other application.*
> * *Different applications use different methods of selecting Point 2 View as the webcam. Check each application's Help files.*
> * *In some applications the Focus key might work, but not guaranteed.*

Step 1: Preparing Point 2 View

1. Connect Point 2 View to a USB port on your computer.
2. Set the AF switch to C (continuous) mode.

S ➞ C
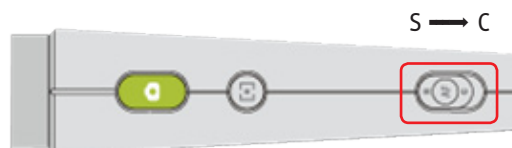
> *TIP:*
> *While using Point 2 View in other applications, selecting the S (Single) Autofocus mode might generate unfocused images because the Focus key is not guaranteed to work outside P2V Software. This may prevent you from bringing Point 2 View into focus.*
> *C (Continuous) Autofocus is generally a better choice, as it focuses whenever necessary.*

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STEP 2: PREPARING THE APPLICATION

1. Activate the application (in this case, Skype).
2. Open the configuration window from *Tools > Options* menu (Windows) or *Skype > Preferences...* menu (Macintosh).
3. Select the Video settings tab.

## STEP 3: SELECTING POINT 2 VIEW AS THE WEBCAM

1. In the Skype configuration window, Video settings tab, select Point 2 View as the webcam. (Point 2 View might be labeled as a generic USB webcam)
2. Check that the real-time video images of Point 2 View appears inside the preview area.
3. Before making calls, make sure Video Call is enabled. You can enable it from the Calls tab > Call settings.

Accessing the Help information

Clicking the Help link opens the IPEVO Support website, where you can check your version and update your P2V Software if needed. You can also download the most recent version of the User Manual.

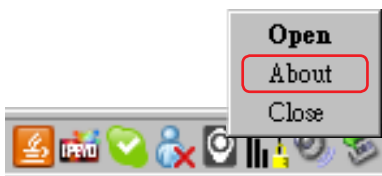• (Windows) Click the Help icon in the menu bar.
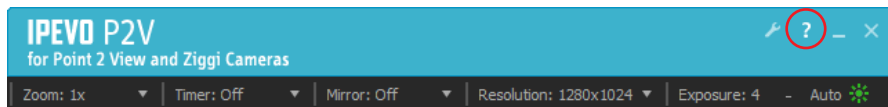
• (Macintosh) Select *Help > P2V Help*.

Viewing version information

To view the software and firmware of Point 2 View, use the "About P2V" menu.
• (Windows) Right-click the bottom task bar icon and select About.

• (Macintosh) Select *P2V > About P2V* menu.

You can also view the version information from the Settings window.
• (Windows) Click the Settings icon in the menu bar and select the System tab.
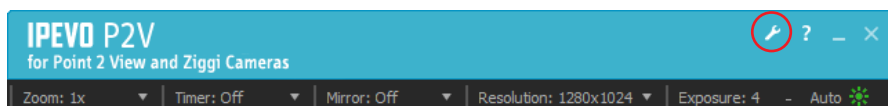
• (Macintosh) Select *P2V > Preferences...* menu and select the System tab.

Clicking the "Check for updates" link opens the IPEVO Support website in a browser where you can download the latest version of P2V Software.

Closing P2V Software

To close the window:
- (Windows) Click the Close button at the top right corner of the window, or press Alt + F4 shortcut keys.
- (Macintosh) Click the Close button at the top left corner of the window, or press Command + W shortcut keys.
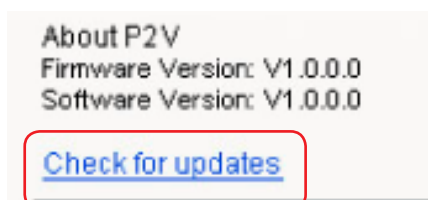
To close the Point 2 View Software:
- (Windows) Right-click the bottom taskbar icon and select Close.

- (Macintosh) Select *P2V > Quit P2V* menu or press Command + Q shortcut keys.

> *TIP:*
> *Closing the window does not turn the P2V Software off. To quit the application entirely, follow the instructions for closing the P2V Software.*

List of shortcut keys

Function	Mode	Windows	Mac
Take snapshot	All	Enter	Return
Close window	Camera/Review	Alt + F4	Command+ W
Close application	All	----	Command+ Q
Cancel Full Screen mode	Full Screen	Esc	Esc
Zoom in	Review	+ / forward scroll	+ / forward scroll
Zoom out	Review	- / backward scroll	- / backward scroll
Copy photo	Review	Ctrl + C	Command + C
Delete photo	Review	Del	Del / Command + Del
Switch to previous photo	Review	←	←
Switch to next photo	Review	→	→
Select all photos	Review	Ctrl + A	Command + A

FAQ and Troubleshooting

- Please visit the product support page on www.ipevo.com for all the latest FAQ and up-to-date product information.
- If there are problems with connections between Point 2 View and P2V Software, please reconnect Point 2 View and restart P2V Software, then try again.

User Manual version information

Version	Date	Details
V1.2	February 20th , 2012	Image updates.

Safety information

For your safety and the best performance of your Point 2 View webcam:
- Keep your Point 2 View from touching heat sources such as radiators and stoves.
- Do not immerse your Point 2 View in liquids, and protect it from moisture.
- Supervise children using Point 2 View.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Acknowledgement

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