



ia style

Information in Action.

IA Style PowerCamera Suite **Quick Installation Guide**

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www.iastyle.com

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If you have suggestions or comments concerning this publication or the products it describes, please tell us so that we can continue to provide you with the best possible documentation and functionality. We are happy to consider your suggestions as we update and enhance this product.

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Foreword

The IA Style PowerCamera Suite is a perfect fit for multimedia video in/output solutions for Pocket PCs, and organizing/annotating “still” images. With the proper accessories, such as the **FlyCAM**® digital video camera from Animation Technologies Inc., this integrated software Suite gives you creative control over image/video capture and management. It consists of three products:

- **IA Album** (digital photo album manager and screen capture utility)
- **IA Capture** (take snapshots and shoot video clips using your Pocket PC and attached camera or video source)
- **IA VideoMail** (create video files, *with audio*, and E-mail them to your friends)

Welcome to the power and convenience afforded by the natural marriage of these top-quality *Animation Technologies hardware* and *IA Style software* products. This guide introduces the IA Style PowerCamera Suite components, and tells you how to install, register, upgrade, and obtain technical support for them.

Hardware and Software Requirements

Before installing, please verify that you have the following hardware and software requirements.

Supported PDA Device

- Pocket PC or Pocket PC 2002 with CompactFlash™ slot
- Animation Technologies' FlyCAM® with the latest device drivers installed
- Storage Memory: 3.0 MB in your Pocket PC is required for installation
- Processor: StrongARM, MIPS, or SH3

Desktop Computer

- Windows 98, 98 SE, ME, NT, 2000, and XP
- ActiveSync 3.5 or above

In addition, if you choose to install IA VideoMail, you should also install:

- Windows Media Player 7.x or later
(Can be downloaded free at: <http://www.microsoft.com/windows/windowsmedia/download/>)
- Quicktime 5.x or later
(Can be downloaded free at: <http://www.apple.com/quicktime/download>)

NOTE: IA Capture can browse for IAV files only within IA Capture on the Pocket PC, but IA VideoMail files (AVI files) can be viewed on the desktop PC using the above downloads.

How to Install the Language Version You Want

Each component of the IA Style PowerCamera Suite must be installed individually. This allows you to control which applications you install, in the event that you don't want to install all three components. It also makes it easier for you to upgrade the individual modules, whenever new versions are available for you to download.

1. Make sure your Pocket PC is connected to your desktop PC and that an ActiveSync connection has been established.
2. Insert the *IA Style PowerCamera Suite* Installation CD. There will be multiple language folders available on the CD, for example:
 - **English**
 - **TC Chinese** (Traditional Chinese)
3. Double-click on the desired language name to open the folder.
4. Double-click on the desired executable filename (**.exe** filename extension) to begin installing that application.

NOTE: The following table is designed to assist you in identifying which **.exe** file corresponds to which application. The "**xx**" in each Installer filename (shown in the right column below) is reserved to identify each *language* version.

For example, in the first line of the table below, the actual Installer name of the English version of IA Album would be **IAA(FlyCAM)EN.exe**, and the Traditional Chinese version of IA Album would be **IAA(FlyCAM)TC.exe**.

To INSTALL THE FLYCAM VERSION OF THIS APPLICATION.....	DOUBLE-CLICK ON THIS FILE NAME.....
IA Album	IAA(FlyCAM) xx .exe
IA Capture	IAC(FlyCAM) xx .exe
IA VideoMail	IAVM(FlyCAM) xx .exe

Note that the filenames in the rightmost column of the table above are examples for reference only. The actual filenames on your particular Installation CD might vary slightly.

5. After you have double-clicked on a filename and the Installer program has started, you will be asked to enter your CD-Key number. Alphabetic characters must be entered in uppercase. (The CD-Key number is usually found on the envelope that contained your Installation CD.) After entering it, click **Next** for CD-Key verification.

NOTE: The same CD-Key can be used for every component you install (any language version), and also for registering and upgrading.

6. If you accept the license agreement, you will next be asked to specify the folder where you want the component to be installed on your desktop PC. Click **Next** to accept the default destination folder shown in the dialog box, or click **Browse...** to specify a different folder, if desired.
7. Check your Pocket PC screen to see if any additional steps need to be done to complete the installation on the Pocket PC.

Invoking an Application

After you have installed one or more components of the IA Style PowerCamera Suite on your Pocket PC, the *Programs* group of your Pocket PC will contain new icon(s) representing the component(s) you installed. The icon names are **IA Album**, **IA Capture**, and **IA VideoMail**. To invoke a program, simply tap the corresponding icon.

Under each icon, the hardware and language versions will be indicated. For example, “**FC_EN**” under one of the icons would identify it as an English version to be used with the FlyCAM hardware. Likewise, “**FC_TC**” would indicate a Traditional Chinese version for FlyCAM.

NOTE:

Included with the IA Album installation are some sample image files, placed in a subfolder named **Samples** (the full path is *IA Style\FlyCAM\IA Album\EN\Samples*). Change to the **Samples** folder (or any folder that contains images you already have). The images will be displayed in Thumbnail View mode.

IMPORTANT:

- Make sure the FlyCAM driver has been installed properly.
- The IA Style PowerCamera Suite can be used on your Pocket PC for 30 days after installing the Suite, with or without the FlyCAM. However, within any 30-day period, the FlyCAM hardware must be attached to your Pocket PC at least once in order for you to use the IA Style PowerCamera Suite continually.

Introduction to the Three Modules of the IA Style PowerCamera Suite

IA Album

IA Album is the ultimate digital photo manager for your Pocket PC. This award-winning software allows you to view, organize, annotate, present, and share images quickly and easily. Download images from your desktop PC via ActiveSync, or get them from your digital camera's memory card (CompactFlash, or Secure Digital/MMC card).

Images can be E-mailed, infrared-beamed, cropped, zoomed, and saved to different formats. Animated GIF files can be played, as well as the video files created by IA Capture (after you convert them to GIF format). A handy Screen Capture utility is included, along with a variety of attractive "picture frames" you can use to frame your images. Add text, audio, and even digital Ink annotation to images, and then impress your friends with an automatic slide show.

This newest version of IA Album is especially useful for those who own a Digital Still Camera (DSC) and can take their flash memory card (CF or MMC) and insert it into a compatible slot (CF or SD) on their Pocket PC. The new **Browse Flash Card** command (on the **File > GoTo** submenu) allows lightning-fast browsing and viewing of images from external storage cards, and fast thumbnail browsing and viewing of images from external storage cards. Many other improvements have been made, including a Histogram feature that lets you select which channel of the Histogram to view (Luminance, Red, Green, or Blue), and easily identify the bands of intensity ranges.

In the following figures, the sample illustration on the left shows IA Album in Filmstrip View mode, with the Quick View window open, the Zoom tools available in the Toolbar, and the Zoom Slider open (at right side of screen). The Quick View command is available on the View Menu when the image is too large to fit in the display area. You can drag the "viewport" within the Quick View window to pan to different parts of the image. The figure on the right illustrates List View.



NOTE: You can visit www.iastyle.com often to get the latest version of **IA Album** (see the section entitled **Registering and Upgrading**). To obtain a User's Manual, see the section **Getting More Detailed Information about the Software**.

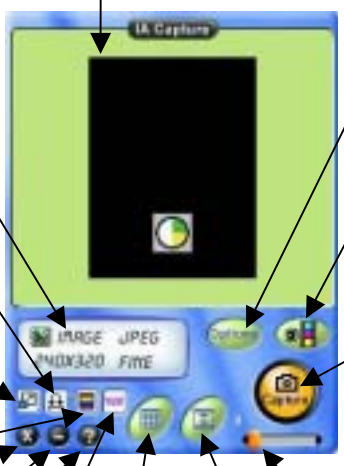
IA Capture

IA Capture is an image and video capture application designed to fully utilize your FlyCAM hardware with your Pocket PC. The Digital Viewfinder in the upper portion of the screen lets you view the active video stream being input from your attached FlyCAM camera, and you can capture a single image snapshot from that input, or an entire video clip. Still images can be viewed and manipulated immediately using IA Album (if you have installed it), and video files can be played back immediately using IA Capture.

IA Capture does much more than just capture images and video. Many amenities are built in. You can choose the filetype/quality, control the playback, view file info, choose a method of memory management during video recording, specify a delay-time for capturing still images, and more.

The Capture Mode screen of IA Capture is shown in the next figure, with each component of the screen identified.

Digital ViewFinder (Image Preview Area) — Images coming in through your attached FlyCAM will be shown here. This area can be switched to Full-Screen mode.



Mode Indicator: When **Image** is shown, tapping **Capture** will capture a "still" image. Tap the word **Image** to switch to Video Capture submode.

Self-View — Toggles image in ViewFinder upside-down or right-side-up.


Full-Screen Preview

Image Quality adjustment

Exit

Minimize

On-line Help

Allows you to change the "color space" from the default **YUV** to **RGB** and back. Affects the Image Quality Adjustment function. When RGB is active, the **Pixel Format** icon looks like this: 

Invokes **IA Album** in **Thumbnail** view mode (if installed). Your captured images will be shown as thumbnails.

Invokes **IA Album** in **Full Screen** view mode (if installed) and allows you to view captured images on the full screen.

Opens a screen that allows you to set attributes and customize the behavior of IA Capture.

Tap to switch to **Video Playback** mode.

In **Image Capture** submode, tap to capture a "still" image. In **Video Capture** submode, tap to start recording a video clip. (You can optionally assign a hardware button to trigger the Capture function.)

Time-delay for Image Capture. Set the Indicator to 1 to 15 seconds, then tap **Capture** to start the countdown.

When in *Video Capture* submode, the Mode Indicator icon will display the word "Video," as shown in the example below. You can tap any value in the icon to change it.



To capture a “still” image:

Make sure you are in *Image Capture* submode. Then tap the **Capture** button to capture a snapshot of the image that is displayed in the Digital Viewfinder at that moment. Or, if you have defined one of your Pocket PC buttons to function as the Capture button (in the *General* tab of Options), press that button to perform the capture. A camera-like sound effect will indicate that the image has been saved as a separate file. It will be placed in the current folder. If desired, you can change the “save folder” and/or the file naming convention using the *File* tab of Options.

To capture an entire moving video stream:

Make sure you are in *Video Capture* submode. To start recording the video stream which is currently shown in the Digital Viewfinder, tap the **Capture** icon. A red dot will appear within the Mode Indicator icon, to indicate that recording is in progress. In addition, a time counter will appear and will start counting the number of seconds that have elapsed during the current recording. During the time that the recording is in progress, the **Capture** button becomes a **Stop** button. To stop recording, tap **Stop**. The video clip will be saved as a proprietary format Motion-JPEG video file. The file will contain an extension of *.iav* and will be placed in the folder that is currently designated as your “save folder.”

Converting an IAV Video Clip to GIF Animation Format

IA Capture saves video clips in a proprietary Motion-JPEG format called IAV (IA Video), which can be viewed on any Pocket PC running IA Capture. For increased portability, IA Capture also provides a feature that lets you convert the IAV files into GIF (Graphics Interchange Format) files. This cross-format solution lets you more easily share files with anyone who does not have IA Capture, or just view them on your desktop PC if desired. Only a copy of the IAV file is converted. The original IAV file remains unchanged.

1. In the Video Playback screen, tap the thumbnail image of the file you want to convert.
2. Open the pop-up menu by tapping the **Menu Commands** button (or by pressing your stylus on the thumbnail image or on the upper display area).
3. Select **Convert to GIF Format...** A screen will appear in which the name of the selected file to be converted, and the folder it is located in, will be displayed.

Optional: If you want the new GIF file to be placed in a folder other than the one shown in the *Folder* field, tap the **Folder** button. A screen will then appear which lets you navigate to and select the folder where you want the GIF file to be placed.

4. A default filename for the GIF file is shown in the *Convert To* text box. If desired, you can assign a different prefix to the new **.gif** file. After deciding on the filename, tap the **Convert** button to create a copy of the IAV video file in the GIF format. This may take a moment, depending on the size of the original IAV file. A dialog box will appear and display the progress of the conversion.

Moving and Viewing the GIF File

On Your Pocket PC:

If you have IA Album, no need to move the file — you can play the GIF file on your Pocket PC immediately using IA Album. In addition, you can conveniently E-mail the GIF file or Infrared-beam it to your friends, right from within IA Album.

On Your Desktop PC:

You can use Microsoft ActiveSync to move the converted GIF file from your Pocket PC to your desktop PC. Or, just move the CompactFlash media and read it via a CF memory card reader. After the GIF file is on your desktop PC, you can drag-and-drop it from the File Explorer window into any web browser window, such as Internet Explorer or Netscape. The GIF file will automatically be played in the web browser window. To re-play the file, use the **Refresh** function of the web browser. Many popular image viewers can also be used to view the file.

NOTE: You can visit www.iastyle.com often to get the latest versions of IA Capture and IA VideoMail (see the section entitled **Registering and Upgrading**). To obtain a User's Manual, see the section **Getting More Detailed Information about the Software**.

IA VideoMail

With an attached FlyCAM or other compatible digital camera (and proper driver), IA VideoMail can capture video clips **with audio** and can E-mail the video files to other users. Users receiving your E-mailed video clips can view them on another Pocket PC, or on a desktop PC running Microsoft Windows, or MacIntosh, capable of playing DSC-produced video clips in the popular M-JPEG format.

Each time IA VideoMail is initially invoked, it is in "Preview Mode" and is looking for input from an attached camera or other video source. Any live video stream being fed from the camera or other source can be seen in the Viewing Area. (All parts of the main IA VideoMail screen are identified in the next figure.) Simply tap the **Record** button to begin recording, and tap the **Stop** button to stop recording.

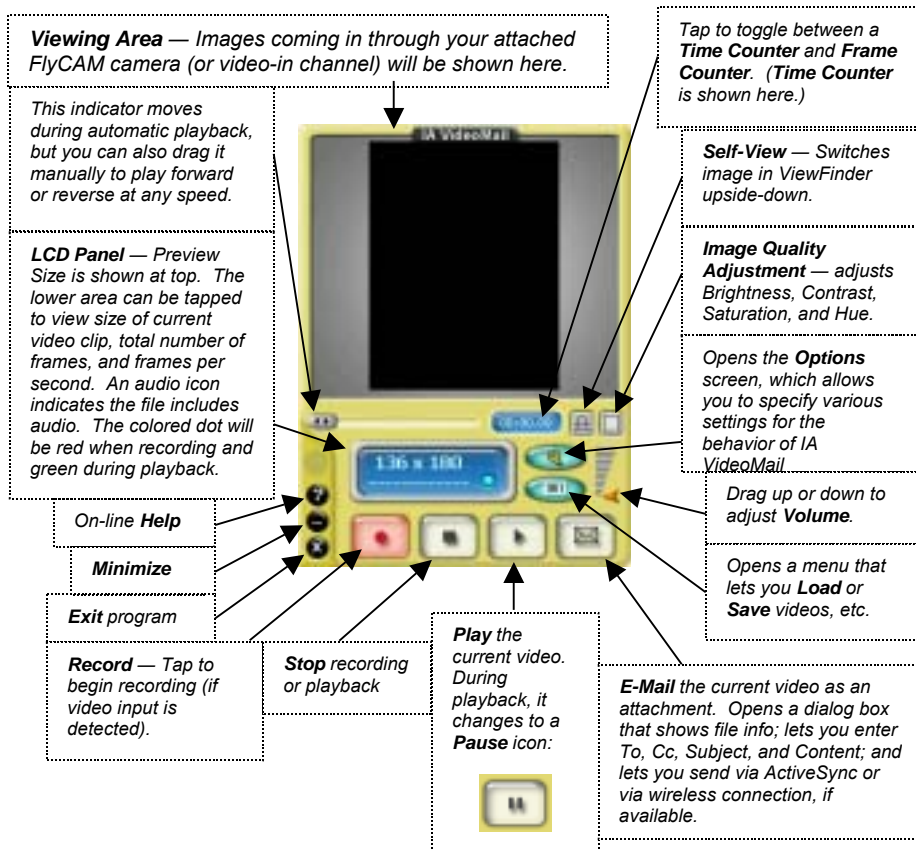
Tap the **E-Mail** button to open a dialog box that lets you easily send the current video file as an attachment.

After you have captured a new video clip (or loaded an existing video file), it will be visible in the Viewing Area. Newly-captured video clips can be played back immediately. Tap the **Play** button to begin playback (and tap it again if you wish to **Pause** the playback).

If the current video clip has not been saved, you will be asked to either save it or discard it, if you attempt to perform any other function such as loading a file.

Tap the **Menu Commands** button to open a menu that lets you load an existing video file, save a new video clip, view file info about the current video, on-line Help, etc.

Tap the **Options** button to open a screen that lets you specify the size for captured video files, Color or Grayscale, a voice recording format, frame rate/memory management during recording, and image quality adjustment.



Registering and Upgrading

At IA Style, we are continually improving our products and adding new functionality. Whenever a newer version of a module in the IA Style PowerCamera Suite is available, we will announce it on our web site. Registered owners of IA Style PowerCamera Suite can then update the program free of charge.

To Determine Your Version of a Program

If you see a new version on our web site of a program in the IA Style PowerCamera Suite, and you want to know the version of the program you are currently using so you can determine whether or not you have the newest version, just open the **About** screen of any of the programs, as follows:

- **IA Album** — Tools Menu > About IA Album
- **IA Capture** — Options button > About tab
- **IA VideoMail** — Options button > About tab

To Register as an Owner of IA Style PowerCamera Suite

1. Go to our home page at <http://www.iastyle.com>. Click the **Bundled Products** tab at the top of the page.
2. In the list of links on the left side of the page, click **IA Style PowerCamera Suite (for FlyCAM)** to access its main page.
3. Click **Register** in the links on the left side of the page.
4. On the *Registration* page, please enter your **CD-Key number**. This number is usually found on the envelope that contained the Installation CD for IA Style PowerCamera Suite. (Alphabetic characters must be entered in uppercase.)
5. Enter the **E-mail address** that is currently entered in the Owner Information of your Pocket PC (*Start Menu > Settings > Personal > Owner Information*).
6. Enter your name.
7. Select the language of your FlyCAM software from the drop-down list.
8. Select the model of your Pocket PC from the drop-down list.
9. Click the **Registration** button. We will send you E-mail to confirm that you have registered successfully.

To Update Your IA Style PowerCamera Suite Software

After you have registered as a legitimate owner of IA Style PowerCamera Suite as described above, you can download upgrades as follows:

1. Go to our home page at <http://www.iastyle.com>. Click the **Bundled Products** tab at the top of the page.
2. In the list of links on the left side of the page, click **IA Style PowerCamera Suite (for FlyCAM)**. Any new versions of *IA Style PowerCamera Suite (for FlyCAM)* components will be announced on its main page.
3. If you see a software update or upgrade that you want to download, click **Download**.
4. On the **Download** page, you must first log in. Please enter your **CD-Key number**. This is the same CD-Key number (located on the envelope that contained your Installation CD) that you furnished to us when registering. Note that all letters must be entered in uppercase.
5. Or enter the **E-mail address** that you used when registering (must also be the E-mail address that is entered in the Owner Information of your Pocket PC, in order for the IA Style software to work).
6. Click the **Login** button. You will then be given access to download the software. Just follow the instructions on that page.

Technical Support / Contact Info

FAQ Pages

We recommend that you first browse through the “Frequently Asked Questions” pages if you have questions. These pages are continually being updated, and there is a good chance you will find the answer to your question there.

Each component of the IA Style PowerCamera Suite has its own individual FAQ page. Start by going to our home page at <http://www.iastyle.com>, then go to the desired product’s main page and click on its **FAQs** link.

In addition, you can go to LifeView’s FlyCAM page at: http://www.lifeview.com.tw/english/flycam-cf_e.asp to read more information about the FlyCAM hardware and other products from Animation Technologies, Inc.

Getting More Detailed Information About the Software

User's Manuals

User's Manuals for the entire IA Style PowerCamera Suite, and for the individual applications that comprise it, can be found on the Installation CD, or can be downloaded from our web site. To see the User's Manual for IA Style PowerCamera Suite in general, go to www.iastyle.com, click the **Bundled Products** tab, then click the **IA Style PowerCamera Suite (for FlyCAM)** link on the left side of the page, then click the **User Manual** link.

Also, each component of the IA Style PowerCamera Suite has its own individual page. Just go to the desired product's main page and then click on its **User Manual** link to access its individual Manual.

On-line Help

Many of your software operation questions can probably be answered by the on-line Help messages included with each module.

- When using **IA Album**, you can select **Help...** from the Tools Menu to access the main Help table of contents.
- In **IA Capture**, tap the "?" icon, or select **Help...** from the pop-up menu in the Video Playback screen.
- In **IA VideoMail**, tap the "?" icon, or tap the *Menu Commands* button and then select **Help...** from the pop-up menu.

Context-Sensitive Help

Context-sensitive Help messages can be accessed via the Windows *Start Menu*. That is, the specific Help message that appears will depend on the IA Style application's operation status at the time you select the **Help** command on the Windows *Start Menu*.

Contact Information

If you still have questions about the IA Style PowerCamera Suite after consulting the FAQs and other information on the web sites, the User's Manuals, and the on-line Help, you are welcome to contact us at the addresses listed on page 2.