

Intel® Create & Share™ Software

User's Manual



intel®

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The Intel® Deluxe PC Camera and Intel Create & Share™ Software let you use your PC to communicate in a variety of new ways.

Features include:

- **Microsoft* Windows* NetMeeting*** — Talk to and see others at the same time using NetMeeting to make video phone calls over the Internet. For information about making Internet phone calls, see *Chapter 2 Internet Video Phone Call* and the NetMeeting online help.
- **Intel® Email Postcard** — Using snapshots, video files, and sound files you create with the Intel Create & Share Software, you can create email postcards and send them to family, friends, or business associates. To learn how to create a postcard, see *Chapter 3 Using the Software*.
- **Intel® Home Page Builder**—Construct home pages with words, graphics, still images, and video automatically using the supplied templates or in a template you design. To learn how to create web pages, see *Chapter 3 Using the Software*.
- **Reality Fusion GameCam SE** — Use the PC Camera to enter a virtual reality where you can shoot baskets, pop falling bubbles, play with bouncing objects, or enter a virtual environment to make kaleidoscopic patterns on the screen. To get in the action, click the PC Camera Games icon on the Home screen. For more information see *Chapter 3 Using the Software*.
- **Intel® Video Email** — Quickly create a video message for sending as email. For more information see *Chapter 3 Using the Software*.

- **Intel® AutoSnapshot** — Set up the camera to take snapshots at regular intervals for including on a web site, saving to your hard disk, or sending through email. For more information see *Chapter 3 Using the Software*.
- **Home Screen**—The starting place for all activity. From here you can access your galleries, create new media files, and launch the video phone, email postcard, and PC camera games.
- **Intel® Gallery**—Organize and manage your project and media files. From the gallery, you can open and organize projects, video, image, and sound files. To learn more about the gallery, see *Chapter 3 Using the Software*.
- **Intel® Snapshot**—Quickly and easily take snapshots using your PC camera. These snapshots can be assembled into your own online photo galleries, printed, or sent to others using email. To learn how to take and use snapshots, see *Chapter 2 Using the Software*.
- **Intel® Scene Recorder** — Record and trim video clips to spice up a web page, add interest to a presentation, or share a video of your children with their grandparents. To learn how to make these videos, see *Chapter 3 Using the Software*.
- **Intel® Audio Recorder** — Make audio files that record your baby's first words, narrate a business presentation, or spice up an email postcard. To learn how to make audio files, see *Chapter 3 Using the Software*.
- **Edit Picture** — Do some simple editing of still images like changing the contrast or brightness, rotating, or cropping the image.
- **Home Screen Toolbar** — Reduce the Home Screen to a desktop toolbar from which you can scroll through the current gallery, take pictures, make videos, download media from the camera, and send quick video emails.

Starting Intel® Create & Share™ Software

From the Windows Start menu click Intel Create & Share Software or double-click the software desktop icon.



Online manuals

Each time you start the software you are given the opportunity to view or print the online manuals.

- Choose the manual you are interested in, continue without looking at any manual, or check the “Don’t prompt to view manuals on startup” to prevent the message from appearing again.

Running the software the first time

- The Intel Registration Wizard appears so you can register your program. To register now, complete the requested information. Remember to connect to the Internet to register online.

To register later, go to:

Start >Programs > Intel Create & Share Software > Register Online.

- An opportunity to send a **Tell Your Friends** message appears. This message provides a link to the recipient for installing Microsoft’s NetMeeting. The message also links to sites where your friends can learn more about Intel PC cameras’ capabilities and where to purchase them.

To send a Tell Your Friends message later:

- From the **Help** menu, choose **Tell Your Friends**.

The Intel® Deluxe PC Camera Getting Started Guide can be found at:

**Start>
Programs>Intel
Create & Share
Software>
Manual>Getting
Started Guide**

Note

Be sure to register to “Stay in the Loop”. Registered users are periodically informed of updates, upgrades, and special offers.

The Home screen

The Home screen is the starting place for all Intel Create & Share Software activities. Following is a picture of the Home screen and descriptions of some of its features.

Title/Menu bar — Home File Edit Insert Gallery Help

Full Gallery button — Click to expand the gallery and see more of your thumbnails.

Gallery list — Click the arrow to select another gallery.

Gallery sorter — Sorts your thumbnails alphabetically, by date and time, or by media file type.

Gallery —

Task Icon — Click any task icon to begin that activity.

Insert button — Inserts the selected media file into your email postcard.

visit our website... — Click here to minimize the Home screen view to a toolbar

send an email postcard

make a video phone call

build a home page

Intel® Create & Share™ software

play a PC camera game

set up an auto snapshot

send a video email

intel.

Take Snapshot Record Video Record Audio Other Devices Home

Intel® Snapshot
Take a snapshot using your PC Camera.

Intel® Scene Recorder
Record video using your PC Camera.

Intel® Audio Recorder
Make a sound recording.

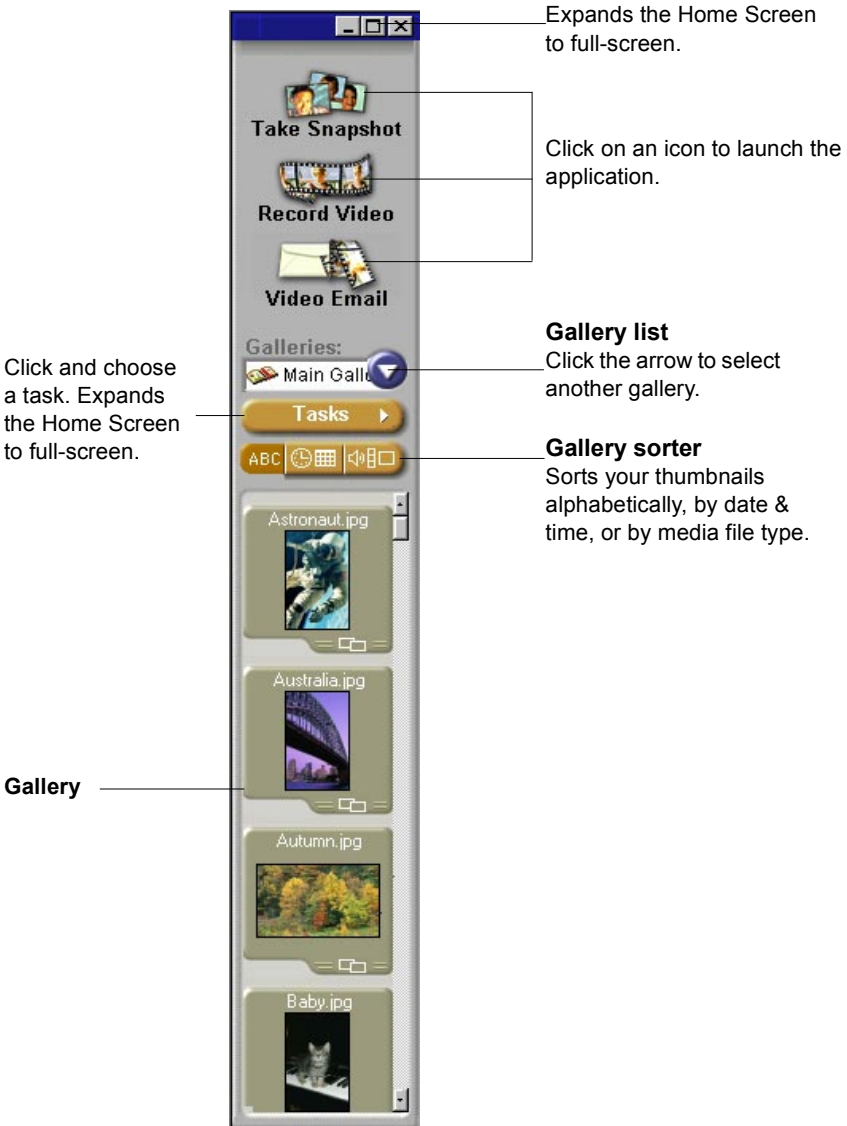
Other Devices
Access other devices attached to your computer such as a scanner or digital camera.

Home icon
Click here anytime to return to the Home screen.

Click here to visit our website.

Home screen toolbar

The Home Screen can be reduced to a desktop toolbar from which you can scroll through the current gallery, take pictures, make videos, download media from the camera, and send quick video emails.



The Home Screen toolbar can be positioned at the top or bottom of the screen, or to the right and left of the screen.

To position the toolbar on the screen:

- 1** Point the mouse into the gray part of the toolbar.
- 2** Hold down the mouse button.
- 3** Drag the mouse to the location on the screen where you want to see the toolbar.

2

Internet Video Phone Call

Preparing for your first Internet phone call

You can use NetMeeting* to call people over the Internet. The person you call does not have to use NetMeeting. Many internet phone software programs other than NetMeeting can receive NetMeeting calls.

NetMeeting connects directly to an Internet directory server or to another computer. To place a call, you either choose one of the people logged on to a server, or you call another computer by typing its computer name or address.

Want to test your Internet video phone call capability?

Open your browser and type this URL:
www.intel.com/PCcamera/portals/testcall.htm

Starting NetMeeting

- On the Home Screen click **Make a Video Phone Call**.



Setting up the camera for calls

When you make internet phone calls, you may want to see the other person and be seen by them. When you start NetMeeting there is no video of you in the window.

To add your video to the window:

- 1 On the Home Screen click **Make a Video Phone Call**.
- 2 On NetMeeting, click the Start Video button.

**Notes**

The default for video is to automatically receive video at the start of each call.

To change this default:

- 1 From the **Tools** menu, choose **Options**.
- 2 On the **Video** tab, under **Sending and receiving video**, uncheck **Automatically receive video at the start of each call**.
- 3 Click **OK** until done.

To automatically send video at the start of a call:

- 1 From the **Tools** menu, choose **Options**.
- 2 On the **Video** tab, under **Sending and receiving video**, check **Automatically send video at the start of each call**.
- 3 Click **OK** until done.

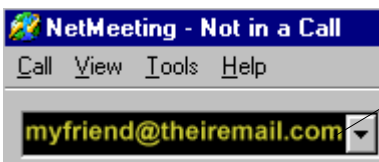
Note:

If you have more than one video capture device attached to your computer, ensure that you are using the Intel Deluxe PC Camera:

- 1 On the NetMeeting **Tools** menu, choose **Options**.
- 2 On the **Video** tab, in the **Video camera properties** list, select **Intel USB Video Camera III**.
- 3 Click **OK**.

To place a call

- 1 On the Home Screen click **Make a Video Phone Call**.
- 2 In the NetMeeting Address bar, type one of the following:
 - Email address.
 - Computer name.
 - IP address.



Address

- 3 Click the **Place Call** button.



Notes

- If NetMeeting can determine how to place the call, it does so automatically. Otherwise, the **Place A Call** dialog box opens. Then, in **Using**, click the appropriate connection type.
- If you select security on a call-by-call basis, place your calls through the **Place Call** button rather than the Address bar or a SpeedDial. The Address bar and SpeedDial do not give you the **Place A Call** dialog box, which displays the **Require security for this call** check box.
- To display a list of people you called recently, click the arrow next to the Address bar.
- You can create a **SpeedDial** list for people you call frequently. From the **Call** menu click **Create SpeedDial**.

To accept or reject a call

- When someone calls you, the **Incoming Calls** dialog box appears. Click **Accept** or **Ignore**.

Notes

- If this is a secure call, a **Details** button also appears. Click it to see the type of security and certificate being used.
- To stay logged on to the directory server, but be unavailable for calls, on the **Call** menu, click **Do Not Disturb**.
- You also can set NetMeeting to accept calls automatically. From the **Call** menu, choose **Automatically accept calls**.

To use a directory server

- 1 On the NetMeeting **Tools** menu click **Options**.
- 2 On the **General tab**, under **Directory Settings**, in **Directory**, type or click the name of the directory server you want to use. The default server is the Intel directory.

Notes

- If you are not logged on to the directory server, you can still be reached if people have your IP address.
- If you want to log on automatically, from the NetMeeting **Tools** menu, choose **Options**. Select the **Log on to a directory server when NetMeeting starts** check box.
- If you do not want your name and email address to appear in the directory list when you are logged on to the directory, from the NetMeeting **Tools** menu, choose **Options**. Select the **Do not list my name in the directory** check box.

To find someone in a directory

- 1 Click the **Find Someone in a Directory** button.



- 2 In **Select a directory** drop-down list, you will see that Intel directory is the default.
- 3 To use the Intel directory, follow the instructions on the Web page to display the list of names.

Note**To find someone not in the Intel directory:**

- 1 Click the **Find Someone in a Directory** button.



- 2 In the **Find Someone** dialog, choose another directory from the **Select a directory** drop-down list.
- 3 Click **Close**.

To log on or off a directory server

- On the NetMeeting **Call** menu, click **Log Off** from *<directory server name>* or **Log On** to *<directory server name>*.

Note

- By default, you are logged on to the Intel directory server when NetMeeting starts.

3

Using the Software

With the Intel® Create & Share™ Software you can organize your media files into galleries. These media files can include snapshots, videos, and audio files. Incorporate these media files into the email postcards, video emails, or web pages that you create and send to family and friends; play a virtual reality game that puts you in the picture shooting hoops, popping bubbles, or bouncing objects all over the screen; or set up the camera to automatically take snapshots. Let your own imagination guide you through the possibilities.

What are galleries?

A gallery is a collection of video, audio, image, and project files. Individual files can be a part of many galleries.

For instance, an image of the beach could be an element of a vacation gallery and also a landscape gallery.

From within a gallery you can:

- Physically and logically copy and move media files using drag-and-drop operations.
- Open individual files by double-clicking on the thumbnail.
- Do simple editing of still images by double-clicking on a still image thumbnail.
- Sort media files according to the name, date, or file type.
- Print individual or all of the thumbnail still images in a gallery.

Media Files

Still images, video clips, and audio clips are often referred to as "media files".

Four galleries are included as a part of the software:

- Main Gallery
- Clip Art
- Auto-Snapshots
- Projects

To view the full gallery:

- Click **Full Gallery** on the Home Screen.

OR

- From the **Gallery** menu, choose **View > Full Gallery**.

- Move between galleries by clicking on the button next to Galleries list and selecting another gallery from the list.

Did you know?

To get information about a media file's properties:

- 1 Open a gallery.
- 2 In the gallery, click a file once to select it.
- 3 Click the lower right corner of the thumbnail and the **Properties** dialog appears.



Click here to see properties

- 4 Click **OK** when you have finished.

The properties differ according to the kind of media file selected:

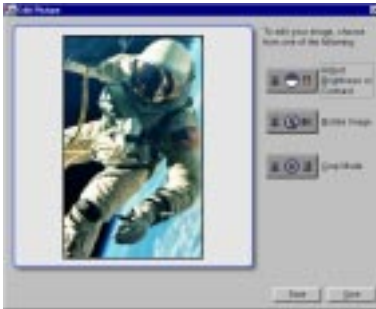
Still Image file	Video file	Audio file
<ul style="list-style-type: none"> • File Name • File Location • Last modified on • File Size • Resolution • Color Depth • Format 	<ul style="list-style-type: none"> • File Name • File Location • Last modified on • File Size • Resolution (W x H) • Length in frames • Length in seconds • Frames per Second • Channels • Video Compression used • Audio Compression used (if audio is present) 	<ul style="list-style-type: none"> • File Name • File Location • File Size • Last modified on • Format • Channels • Sample Rate • Sample Size

To rename media files:

- On the **Properties** dialog, type the new file name.

To edit a picture:

- 1 Double-click on a still image item in the gallery.
- 2 In the **Edit Picture** dialog, you can adjust the brightness or contrast, rotate the image, or crop the image.

**Note**

When renaming media files, do not change the file's extension.

Taking snapshots

Snapshots taken using your Intel® Deluxe PC Camera can be organized into galleries, included in other sources like electronic presentations, added to email postcards, or included on your web pages.

To take a snapshot:

- 1 On the Home Screen, click **Take Snapshot**.



- 2 When you have the image you want in the Live View window, click the **Snapshot** button. The snapshot appears in the Snapshot window.
- 3 Click **Save** in the Snapshot window. Your snapshot is saved automatically to your default gallery location.

Note

To disable the automatic save feature:

- 1 From the **File** menu, choose **Options**.
- 2 On the **Images** tab, select **Prompt for file names and locations when saving files**.

Note

You can also take snapshots by clicking the Intel® Snapshot icon on the desktop. Some of the features may work differently. For more information on Intel Snapshot, consult the online Help.

Did you know?

You can click the right mouse button in the **Live View window** and choose **Options** to:

- Enable snapshot sounds.
- Set a 5-second delay before taking the snapshot.
- Sharpen the image.
- Take larger snapshots.
- Specify the file type of the snapshot.

Record a video

You can record live video using your Intel® Deluxe PC Camera. These videos are stored in your galleries and can be added to email postcards and home pages and sent as video emails.

In order to ensure that you can save your video, the recording size is limited to approximately half of the disk space available when you start recording. Recording automatically stops when the limit is reached.

To record a video:

- 1 On the Home Screen, click **Record Video**.

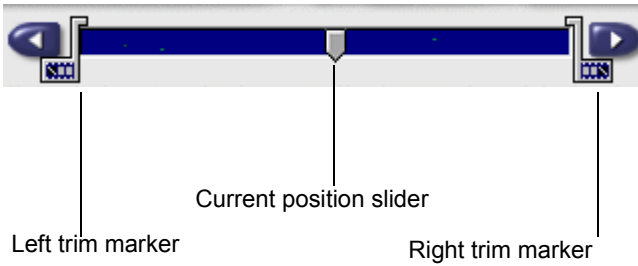


- 2 To begin recording the video click **Record**.
- 3 When you have finished recording the video click **Stop**.
- 4 Options:
 - To play back your video click **Play**.
 - To trim your video click **Trim**.
- 5 Click **Save**. Type a filename and select a gallery from the **Add to gallery** list.
- 6 Click **Save**.

To trim the video:

- 1 Click the **Trim** button. Trim markers appear below the video window.
- 2 Trim the video by moving the trim markers at either end of the scale. The area outside the

Trim markers will be gray.



- 3 Move the trim markers by dragging them:
 - Drag the left trim marker to the position you want to mark as the beginning of the video.
 - Drag the right trim marker to the position you want to mark as the end of the video.
 - Drag the trim markers to original positions to undo trimming.

Note

By default, videos are automatically saved.

To disable the automatic save feature:

- 1 From the **File** menu, choose **Options**.
- 2 On the **Record Video** tab, select **Prompt for file names and locations when saving files**.

Did you know?

You can extract a still image from a previously recorded video and save it in your gallery.

- 1 From the gallery, double-click the video file you want to open.
- 2 Move the current position slider to the position in the video you want to save.
- 3 Click **Save Frame** to take a frame shot.
- 4 The frame is saved automatically to your default gallery location.

Record audio

You can record audio files using the Intel® Audio Recorder. You could use these files in a presentation to narrate an important point, as an audio greeting in an email postcard, or to add some life to a home page.

To record audio:

- 1 On the Home Screen, click **Record Audio**.



- 2 Click **Record** to begin recording, then speak into your microphone.
- 3 Click **Stop** when you have finished recording audio.
- 4 Click **Play** to review the recording.
- 5 Click **Save**. Type a filename and select a gallery from the **Add to gallery** list.
- 6 Click **Save**.

For detailed information on recording audio files, consult the online Help.

Automatically taking snapshots

With Intel® Auto Snapshot you set up the Intel® Deluxe PC Camera to take snapshots at specified intervals or when motion is detected, and have the snapshots saved to your hard drive, sent to an email address, or posted to your home pages.

To take snapshots automatically:

- 1 On the Home Screen click **Setup an Auto Snapshot**.



- 2 **Choose the snapshot trigger.**

The snapshot triggers are: when motion is detected by the camera, or by a specified time interval.

If you choose Motion Controlled snapshots, determine the amount of motion the camera should detect before taking a snapshot.

If you choose Timer Controlled snapshots, set the time interval between snapshots. The timer defaults to 15 minutes. The upper limit is 24 hours, 59 minutes, and 59 seconds.

- 3 **Choose what to do with those snapshots.**

You can save auto snapshots to disk, post auto snapshots to a web page, or send auto snapshots via email.

If you decide to save the snapshots to disk, specify a location on the disk.

When Auto Snapshot is set to autodial and ICQ, or a similar application, is waiting for an Internet connection, problems can occur. When Auto Snapshot connects, ICQ senses the connection and tries to connect to the ICQ server.

To avoid this you can:

- Disable Windows* autodial
- OR
- Disable the ICQ NetDetect Agent

If you post auto snapshots to a web page, you must specify an Internet Service Provider (ISP), and depending on your ISP, your User name and Password. For more details, see the Enable Auto Dialing for Intel Auto Snapshot topic in the online help.

If you send the snapshots via email, enter the email address.

- 4 Add a caption to the snapshots.** You can optionally choose to add a specified text string to each snapshot as well as the date and the time of the snapshot. There is a default caption provided.
- 5 Turn Intel Auto Snapshot ON.** You must turn Auto Snapshot On to have the camera take automatic pictures according to your settings.



After the Intel Auto Snapshot settings have been made, the application icon resides in your system tray.

- To turn it OFF you can click the right mouse button on the icon and choose **Off**.
- To have the application quit, click the right mouse button on the icon and choose **Exit**.

When enabling the autodial feature many variables can affect the success rate of automatically sending your snapshots. Some of these variables include:

- Telephone connection
- ISP connection
- ISP's server settings

We suggest checking the Auto Snapshot error log and if needed exit and restart Auto Snapshot.

To check the error log:

- 1** In the system tray, click the Intel Auto Snapshot icon.
- 2** Click **Show Errors** from the shortcut menu.

Did you know?

The stand-alone version of Intel Auto Snapshot has additional options including:

- Saving an unlimited number of snapshots to your disk.
- Supplying a return email address for those snapshots sent via email. This means the recipient knows who sent them.
- Adding the snapshot caption to the top or bottom of the snapshot.
- When taking pictures based on motion, you can also specify how long to wait before taking snapshots after the motion is detected.
- Setting the timer to work 24 hours a day or only during certain times.

To access the stand-alone version of Intel Auto Snapshot:

- 1 Go to **Start>Program>Intel Create & Share Software>Intel Auto Snapshot**. (Or, if you have already set up the Intel Auto Snapshot, double-click the icon in the system tray.)
- 2 To set up or change the settings, click **Configure**.
- 3 Click **OK** when done.

To add an Auto Snapshot cutout to a web page:

- 1 Click **Add New Item**.
- 2 Choose **Auto Snapshot**.
- 3 Position the cutout on the page.

When Intel Auto Snapshot is set up to send a picture to the home page, it displays in the added cutout. See *Automatically taking snapshots* for instructions on setting up Auto Snapshot.

Create and send a quick video email

- 1 On the Home screen, click **Send a Video Email**.



- 2 Record a video.
 - a Click **Record New** to activate the camera.
 - b Position the camera and focus on the subject.
 - c Click **Record**.



- 3 Click **Stop** when you are done recording.
- 4 Enter your name or nickname in the **From** field.
- 5 Enter the email address of the recipient in the **To** field.
- 6 Enter a short description in the **Subject** field.
- 7 Click **Send it!** to send the quick video email.

For more information about Intel® Video Email, see the online help

Did you know?

You can save the video you created for reuse.

To save the video:

- 1 From the **File** menu, choose **Save Video**.
- 2 In the Save As dialog, specify the filename, file type, and gallery.
- 3 Click **Save**.

Make and send an email postcard

Suppose you are interested in sending a birthday greeting to your children's grandmother that includes stills of your children, text, and an audio greeting from the children to their grandmother.

To create the postcard

- 1 Take some snapshots of your children that you want to include.
- 2 Save them in the desired gallery.
- 3 Have your children record an audio file and save it to the desired gallery.
- 4 On the Home screen, click **Send an Email Postcard**.



- 5 Click **Create a new postcard**.
- 6 Select the Birthday template from the Home & Family category. Click **Next** to continue.
- 7 The cutouts already in the template can accept text and video/image files. Drag one of the snapshots you just took into the image cutout.
- 8 Double-click in the text cutout to add the birthday greeting.
- 9 Add the newly recorded audio file to your postcard by clicking the **Insert** menu and choosing **Audio Item**. Choose the recorded audio file from the gallery and click **OK**. Click **Next** to continue.
- 10 Add text and grandma's email address to the back of the postcard. Click **Next** to continue.
- 11 Choose a method to send your postcard. You can send it automatically or save the file to disk and attach it to an email message. The saved file can be found in the C:\POSTCARDS directory.

To add another cutout to the postcard:

- 1 From the **Insert** menu, click **Still Image Item**.
- 2 The new cutout appears on the postcard.
- 3 Position the new cutout on the postcard, or resize existing cutouts before moving the new one.

See the online help for information about overlapping cutouts on an email postcard.

12 Click **Preview** to see how the card looks.



To close the Preview of the postcard, click the **Close** (X) in the upper right corner.

13 Click **Next** to continue.

14 Congratulations! Your email postcard has been sent. Now you can choose to continue with the current postcard, create a new postcard, or return to the Home Screen.

15 If you want to finish your postcard later or reuse the postcard you created, create a postcard project.

To create an email postcard project:

- From the **File** menu, choose **Save Project**.

Note

Project files have an .iep extension.

For more information about email postcard projects, consult the online help.

Did you Know?

If you send your email postcard with its own viewer, the recipient can save (extract) the media files (video, still images, and audio) you have added to the postcard.

To save (extract) the files, the recipient needs to:

- 1 Click **Extract** on the viewer.
- 2 Click the item to extract.
- 3 Click **Extract Selected Item**.
- 4 In the **Save As** dialog, type a filename.
- 5 Click **Save**.

By default the media files in sent email postcards can't be extracted.

To make it possible for the recipient to extract and save the files:

- 1 From the **File** menu, choose **Options**
- 2 On the **Postcard** tab, select **Allow recipient of postcard to extract media from postcard**.
- 3 Click **OK**.

Note

If you are unsure how to attach a file to an email message, check your email program's online help.

Creating a home page

You can build a home page and other Web pages that incorporate sounds, images, or videos.

When you complete your Web pages you can post them to your Internet Service Provider. This collection of Web pages is now your Web site.

To create and publish web pages:

- 1 Click **Build a Home Page** on the Home Screen to bring up the Intel[®] Home Page Builder.



- 2 Choose **Create a new home page**.
- 3 Click the template that you want to use. Use the scroll bars to view additional templates.

Note:

Added pages have the same background as the initial page, but there are no cutouts.

To add media files to these pages:

- Drag and drop media files from the gallery onto the page.

- 4 Click **Next**.
- 5 Drag and drop audio files, video files, or still images from the gallery to the cutouts on the page. If necessary, size and position the cutouts so they do not overlap.
- 6 Click **Next**.
- 7 Click **Add Page** to add more pages.
- 8 To automatically create links between all pages on your site, choose the **Link All Pages** check box.
- 9 Publish the site to a drive on your computer or to your Internet Service Provider.

Did you know?

You can create links from an object on a page of your Web site to any other page on the Internet. When a reader views the page in a browser and clicks a link, the browser opens the linked page.

Note:

When making a text hyperlink, select the text in the cutout before you make the link.

To select text:

- Click and drag your mouse over the target text.

To create a hyperlink:

- 1 Click the cutout for the item to link.
- 2 From the Cutout menu, select **Add/Remove Hyperlink**. The **HyperLink Properties** dialog appears.
- 3 From the **Type of hyperLink** list, choose the type.
- 4 In the URL of hyperlink box, type the URL of the hyperlink.
- 5 Click **OK**.

Using other devices

You can add new media to your galleries from attached TWAIN-compliant devices such as a scanner or the Intel® Deluxe PC Camera. Click **Other Devices** and choose a device from the list.

Play a camera game

Put yourself in the action! These games let you interact with virtual objects on your computer screen. Your image is captured through the Intel® Deluxe PC camera and displayed on the screen so you can pop bubbles, bounce virtual objects around a room, create kaleidoscopic patterns set to music, or play virtual basketball. For more information on camera games, consult the Reality Fusion online Help.

To start a camera game:

- 1 Click **Play a PC camera game** on the Home screen.



- 2 Click the button of the game you wish to play.
- 3 When you're finished, press ESC.

Did you know?

To set general or specific options for the games:

- 1 From the Home Screen, click on **Play a PC camera game**.
- 2 Click **Configure games**.
- 3 Choose **General Options** to set options for all of the games, or choose **Bouncelt2** or **PopTheBubbles2** to set up options specific to these games.
- 4 Click **OK**.

TWAIN

A program that lets you acquire an image directly into an application. TWAIN-compliant devices include scanners and digital cameras.

A

Troubleshooting

See the Intel® Create & Share™ Software online Help for additional troubleshooting information.

You can find other customer support information in the *World Wide Web Support* section at the end of this manual.

General troubleshooting

Symptom	Solution
The first time you start an application that uses the camera, you receive the "Camera is not available" message.	<ul style="list-style-type: none">• Check that your computer has at a minimum a Pentium® processor, 166MHz with MMX™ Technology or higher. If your computer does not have MMX Technology, uninstall the software and return the product for a refund.
The audio is not recorded with the video.	<ul style="list-style-type: none">• Make sure your microphone and speakers are connected properly.• To record audio, you must install a sound card or have sound support on your motherboard. If you already have a sound card installed, check the sound card setup; make sure the software is installed correctly. Check your record and playback abilities. Click Start> Programs> Accessories> Entertainment> Sound Recorder.• Check the cable connections to your sound card or motherboard. Disconnect and reconnect your cables. <p><i>Continued on next page...</i></p>

Symptom	Solution
<p><i>Continued from previous page.</i></p>	<p>Your audio input source (microphone, VCR, laserdisk) must be connected to either Microphone or Line In on your sound card.</p> <ul style="list-style-type: none"> • Check the audio level in the mixer software; make sure your sources are not muted. • Check the sound card's mixer software; make sure the audio input (Line In or Microphone) is correctly set for the device you are using. Also make sure the mixer settings are set to Record. • Contact your sound card manufacturer for help. • Consult your system documentation and sound card documentation for detailed instructions to run these checks.
<p>The audio sounds too low or quiet</p>	<ul style="list-style-type: none"> • Check the sound card's mixer software. Some software includes an option for boosting microphone gain. If the mixer software includes this option, be sure that it is selected • Check the audio levels in the mixer software; increase them as necessary. • Consult your computer and sound card documentation for more information.
<p>Occasionally, the system appears busy when working with camera applications.</p>	<p>Wait a few seconds to see if video continues normally. If your problem persists, contact your computer manufacturer or your display driver manufacturer to obtain updated drivers. They are usually found on the manufacturer's Web site.</p>
<p>Video display is green, distorted, is taking random snapshots, or the live video is corrupted by flashing horizontal, colored lines.</p>	<p>A short term solution may be to decrease the hardware acceleration of your video display card. To adjust the hardware acceleration:</p> <p style="text-align: right;"><i>Continued on next page...</i></p>

Symptom	Solution
<p><i>Continued from previous page</i></p>	<ol style="list-style-type: none"> 1 Go to Start> Settings> Control Panel. 2 Double-click the Display icon. 3 Click the Settings tab. 4 Click the Advanced Properties button. 5 Click the Performance tab. 6 In the Graphics box, drag the slider to the left to decrease the Hardware Acceleration one setting at a time. 7 Click Apply. 8 Click OK. <p>Repeat steps 1-8 if necessary.</p> <p>Note: Decreasing the hardware acceleration will affect your computer’s performance and should only be used as a short term solution.</p> <p>As a long term solution, obtain the latest video card drivers from the display card manufacturer. Most manufacturers provide the most current drivers available on their Web site. See the video display card documentation for more information.</p>
<p>When viewing live video, the Live View area of the application is solid black, blue, or green.</p>	<ul style="list-style-type: none"> • Make sure the camera cable is securely connected.
<p>Your USB hub power is not working and you receive the message: “The hub does not have enough power available to operate the Intel PC Camera.</p>	<ul style="list-style-type: none"> • Ensure that the hub is a powered hub and is connected to an electrical outlet for power. <p>OR</p> <ul style="list-style-type: none"> • Use a port directly on the back of your PC to use the camera.

Symptom	Solution
<p>When using Microsoft Windows NetMeeting, my video does not appear in the video window even after I click the video button.</p>	<p>NetMeeting may be using a video device other than the Intel PC Camera.</p> <p>To ensure that you are using the Intel PC camera:</p> <ol style="list-style-type: none"> 1 On the NetMeeting Tools menu, choose Options. 2 On the Video tab, in the Video camera properties list, select Intel USB Camera III. 3 Click OK

B Technical Specifications

The following are the technical specifications for the Intel® Deluxe PC Camera¹.

Characteristics	Specification
Image Sensor	Progressive scan CCD, 640 x 480
Image Format	YUV 4:2:0
Interface	Universal Serial Bus (Rev. 1.1)
Special Feature	Flicker Free Operation (under 50 Hz/60 Hz fluorescent lighting)
Maximum No. of Pixels	640 x 480
Resolutions (native)	640 x 480, 320 x 240, 160 x 120
Additional camera (scaled) resolutions available	352 x 288, 176 x 144, 240 x 180, 240 x 176
Snapshot image resolution	640 x 480 maximum
Video image resolution	640 x 480 maximum
Frame rate ²	30fps@160 x 120, 30fps@QCIF (176 x 144), 30fps@CIF (352 x 288), 5 - 15fps@VGA (640 x 480)
Min. Illumination	20 Lux
Gamma	0.45
White Balance	Automatic or manual control
Pan - Mechanical	360 deg
Lens	F2.3
Tilt - Mechanical	+/- 22.5 deg

Characteristics	Specification
Connector	Series A type of USB receptacle
Dimensions	66.0 mm x 45.0 mm x 95.4 mm
Safety Standards	UL, cUL
EMC Standards	FCC (B), CE, VCCI

1 For use only with UL listed PC.

2 Video capture and playback frame rate and resolution depend on many factors, including video source, system configuration, and software used.

C

System Requirements

System requirements

To install the Intel® Create & Share™ Software, your system must meet the following minimum requirements:

- PC with 166 MHz Intel® Pentium® processor with MMX™ Technology or an Intel® Celeron™ processor or better
- Available Universal Serial Bus (USB) Port
- Windows* 98, Windows* 98 Second Edition(SE), Windows* Millennium Edition
- 32 MB RAM
- 800x600 display, 16-bit color (32-bit color is recommended for better image quality)
- 150 MB available hard disk space
- 4X CD-ROM drive
- Windows compatible sound system with speakers and microphone
- Internet Service Provider and 28.8 Kbps or higher modem to make video phone calls over the Internet
- Netscape Navigator* 4.0 or Microsoft Internet Explorer* 4.0 or higher

The recommended system requirements for Reality Fusion Camera Games are:

- Pentium® II processor, 266MHz with MMX™ Technology or higher
- Windows* 98, Windows* 98 Second Edition (SE), Windows* Millennium Edition
- 64 MB RAM

Intel Camera Limited Warranty

Limited Warranty.

Intel warrants that the Camera Hardware Product if properly used and installed, and the CD-ROM on which the accompanying software is provided, will be free from defects in material and workmanship for a period of one (1) year after the date of purchase.

If the Camera Hardware Product or the CD-ROM which is the subject of this Limited Warranty is defective in material or workmanship during the warranty period, Intel, at its option, will:

- REPAIR the Camera Hardware Product by means of hardware and/or software; OR
- REPLACE the Camera Hardware Product or CD-ROM with a replacement Camera Hardware Product or CD-ROM; OR,
- If Intel is unable to repair or replace the Camera Hardware Product or CD-ROM, REFUND the then-current value of the Camera Hardware Product or CD-ROM.

THIS LIMITED WARRANTY, AND ANY IMPLIED WARRANTIES THAT MAY EXIST UNDER STATE LAW, APPLY ONLY TO THE ORIGINAL PURCHASER AND LAST ONLY FOR AS LONG AS SUCH PURCHASER CONTINUES TO OWN THE CAMERA HARDWARE PRODUCT AND CD-ROM.

Extent of Limited Warranty.

This warranty does NOT cover the performance or functionality of any computer software included in the package with the Camera Hardware Product, this warranty only covers defects in the CD-ROM media such as a broken CD-ROM or a defect in the CD-ROM that would prevent the CD-ROM from being read by your personal computer's CD-ROM drive. INTEL MAKES NO WARRANTY THAT THE SOFTWARE PROVIDED WITH THIS CAMERA HARDWARE PRODUCT WILL FUNCTION WITHOUT INTERRUPTION OR OTHERWISE BE FREE OF ANOMALIES, ERRORS OR "BUGS". INTEL MAKES NO WARRANTY WITH REGARD TO ANY SOFTWARE PROVIDED WITH THIS CAMERA HARDWARE PRODUCT UNLESS SPECIFICALLY SET FORTH OTHERWISE IN A LICENSE AGREEMENT ACCOMPANYING SUCH SOFTWARE.

This limited warranty does not cover any costs relating to removal or replacement of any Camera Hardware Product, CD-ROM, or software installed on your computer.

This limited warranty does not cover damages due to external causes, including accident, problems with electrical power, usage not in accordance with product instructions, misuse, neglect, alteration, repair, or improper installation.

How To Be Eligible For Warranty Coverage.

In order to be eligible for warranty coverage, You MUST register the Camera Hardware Product with Intel within thirty (30) days of purchase. Registration can be completed by following the instructions in the "Register Online" program that is included on the CD-ROM that is included in the package with the Camera Hardware Product.

How to Obtain Warranty Service.

To obtain warranty service, you must return the Camera Hardware Product to Intel. Before returning the Camera Hardware Product to Intel, you must contact Intel's Customer Support Group:

North America only:
1-916-377-7000

If you obtain warranty service from Intel, upon Intel's verification that the Camera Hardware Product or CD-ROM may be defective, you will be issued a Return Material Authorization (RMA). When you return the Camera Hardware Product and CD-ROM to Intel, you must include the RMA number on the outside of the package. Intel will not accept any returned Camera Hardware Product or CD-ROM that has no RMA number on the package.

If you return the Camera Hardware Product and/or CD-ROM to Intel, you must assume the risk of damage or loss during shipping. You must use the original packaging or the equivalent, and you must pay the postage.

Intel may elect to replace or repair the Camera Hardware Product and/or CD-ROM with either a new or reconditioned product. The returned product shall become Intel's property on receipt by Intel.

The replacement Camera Hardware Product and/or CD-ROM is warranted under this written warranty and is subject to the same limitations and exclusions for the remainder of the original warranty period or ninety (90) days, whichever is longer.

WARRANTY LIMITATIONS AND EXCLUSIONS.

THESE WARRANTIES REPLACE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. INTEL MAKES NO EXPRESS WARRANTIES BEYOND THOSE STATED HERE. INTEL DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES SO THIS LIMITATION MAY NOT APPLY TO YOU.

ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU.

LIMITATIONS OF LIABILITY.

INTEL'S RESPONSIBILITY UNDER THIS, OR ANY OTHER WARRANTY, IMPLIED OR EXPRESS, IS LIMITED TO REPAIR, REPLACEMENT OR REFUND, AS SET FORTH ABOVE. THESE REMEDIES ARE THE SOLE AND EXCLUSIVE REMEDIES FOR ANY BREACH OF WARRANTY. INTEL IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR UNDER ANY OTHER LEGAL THEORY INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY, AND ANY COSTS OF RECOVERING, REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH A SYSTEM CONTAINING YOUR CAMERA HARDWARE PRODUCT CD-ROM OR ACCOMPANYING SOFTWARE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the two following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operations.

The board has been tested and verified to be within the energy emission limits for Class B digital devices as defined in Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential situation. This board generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Installed correctly, it probably will not interfere with your radio or TV. However, we do not guarantee the absence of interference.

If you modify the board in any way, without getting approval from Intel Corporation, your board may violate FCC regulations. Violation of FCC regulations may cause the FCC to void your right to use the modified board. Only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to the computer containing the board. Operations with non-certified peripherals is likely to result in interference with radio and TV reception. NOTE: Use only shielded, grounded cables.

If you suspect this board is causing interference, turn your computer on and off while your radio or TV is showing interference. If the interference disappears when you turn the computer off and reappears when you turn the computer on, something in the computer is causing interference.

To reduce interference, try these suggestions:

- Change the direction of the radio or TV antenna.
- Move the computer or the radio or TV. For example, if the computer is to the right of the TV, move it to the left of the TV. Or, move the computer farther away from the radio or TV.
- Plug the computer into a different outlet. Don't plug your radio or TV into the same circuit as your computer.
- Ensure that all expansion slots (on the back or side of the computer) are covered. Also, ensure that all metal retaining brackets are tightly attached to the computer.

If these suggestions don't help, consult your computer dealer or an experienced radio/TV technician for more suggestions.

Industry Canada's Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Intel World Wide Support

You can reach Intel's automated support services 24 hours a day, every day at no charge. The services contain the most up-to-date information about Intel products. You can access installation instructions, troubleshooting information, and general product information.

Intel Help Files: View the online help in each application and the README files included with the product for detailed information on product features and functions.

If you don't have access to automated services: Contact your local retailer or call one of Intel's Customer Support Centers.

World Wide Web

Customer Support:

<http://support.intel.com/support/createshare/camerapack/>

Intel Customer Support Technicians

For 90 days you are entitled to speak to our technical support professionals with no service charge, however, standard phone charges will apply. After your initial 90 days of unlimited technical phone support, you can pay per incident using a credit card.

Important: At the time of your call, please be at your computer and have your serial number from your camera ready. Look for the serial number on the label on the bottom of the camera or on the camera cable. Support options are subject to change without notice.

Country	Telephone Number
North America	1-916-377-7000
United Kingdom	+44(0) 870 607 2439
France	+33(0) 141 91 85 29
Germany	+49(0) 69 9509 6099
Italy	+39(0) 2 696 33276
Spain	+34(0) 91 377 8166
Australia	1-800-881-001 after the tone dial 877-858-6544
New Zealand	000-911 after the tone dial 877-858-6544
Malaysia	1-800-80-0011 after the tone dial 877-858-6544
Singapore	800-0111-111 after the tone dial 877-858-6544
India	000-117 after the tone dial 877-858-6544
Japan	03-5350-8866
Hong Kong	800-96-1111 after the tone dial 877-858-6544

If your location is not listed above, contact your local dealer/distributor for technical assistance.

Spare parts and additional accessories are available for your camera pack. Please refer to <http://support.intel.com/support/createshare/camerapack/1839.htm>.