

# User Manual

## For

- I) IBM PC Camera
- II) IBM PC Camera Pro
- III) IBM PC Camera Pro Max



**Release 3.0.0.0  
August. 1999  
Xirlink, Inc.**

# FCC Warning

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

## Information to the User

This equipment has been tested and found to comply with the limits for a class B digital device pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.

The user may find the following booklet prepared by the Federal Communica-

Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

## FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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### FCC Radio Frequency Interference Statement

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## Introduction

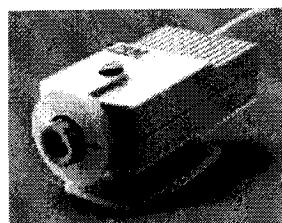
### Welcome to IBM PC Camera

The IBM PC Camera, with its high-quality PC Camera and software now makes video mail and videoconferencing easy. Whether you're sending video mail, videoconferencing over the Internet with someone in another part of the world or on your business' network to a colleague in a building across town, the IBM PC Camera delivers clear video and audio to your computer.

Using the IBM PC Camera application is especially effective for larger companies located in several buildings or cities. Instead of trudging to another building or hopping on a plane and wasting a day in the air, you can simply capture video mail and send it out or videoconference and get the job done in a fraction of the time. A video mail message or videoconference with the IBM PC Camera is almost like being there in person.

### What's In the Box

Before you start the installation process, please check the contents of the box to make sure that all parts are included. There should be one IBM PC camera with USB cable and software CD. Two camera clips have also been included. If any items are missing or you notice any damage, contact the dealer where you purchased the product.



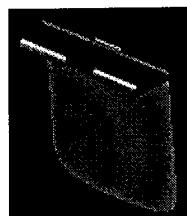
IBM PC Camera Pro/  
Pro Max



Software CD

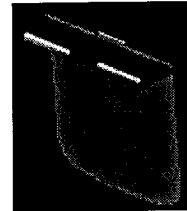
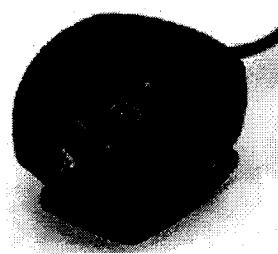


Laptop Screen Clip



Monitor Attachment  
Clip

OR



**IBM PC Camera**

**Software CD**

**Laptop Screen Clip**

**Monitor Attachment  
Clip**

## **What You Need**

### **Hardware**

An IBM PC (or 100% compatible) with a Pentium processor that operates at 166 MHz or faster. The MMX Pentium processor is recommended, but not required, and the faster the MHz operating speeds, the better.

16 Megabytes (MB) or more of internal memory (RAM).

8 MB of hard disk space

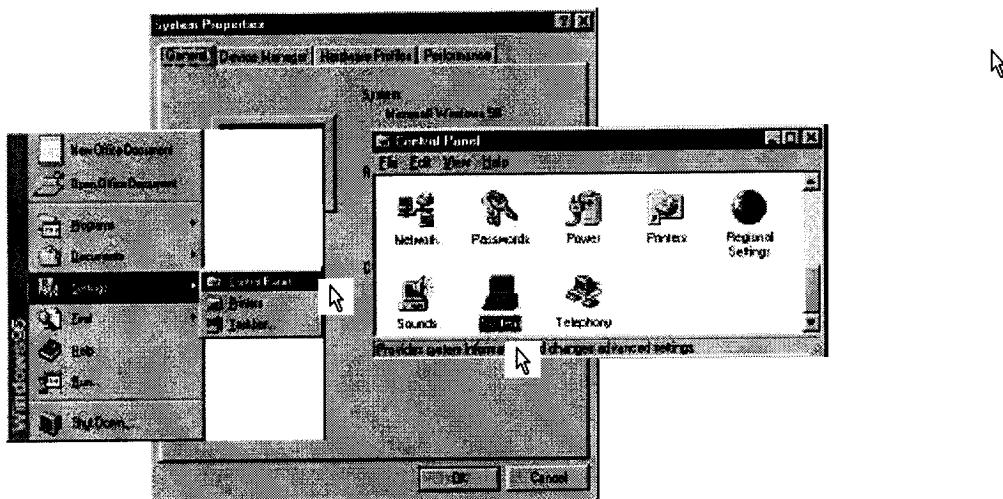
One available USB port on your computer to plug in the camera.

A SVGA monitor. See the user's manual for your computer if you aren't sure about its hardware features.

### **Software**

Microsoft Windows 98 or Windows 2000.

- Microsoft Internet Explorer (version 5.0 or later) and Microsoft NetMeeting (version 3 or later). Both Microsoft Internet Explorer and Microsoft NetMeeting are part of Windows OS. If your computer includes a complete installation of Windows OS, Internet Explorer and NetMeeting are already installed.
- ◆ NOTE: To find the version number of your Windows operating system, select Settings from the Start menu, open Control Panel, and double-click on the System icon. The System Properties dialog box shows the version number.
- ◆ NOTE: If you have a problem using our camera, please go to the Device Manager tab of the System Properties dialog box, to determine if Universal Serial Bus controller is configured correctly. You should have both an USB host controller and an USB root hub listed under the Universal Serial Bus controller.



- ◆ To find the version number of NetMeeting or Internet Explorer, open the application and then choose About (the application) from that application's Help menu.
- ◆ TIP: If you don't have Microsoft Internet Explorer or NetMeeting, you can download them from the Internet at: <http://www.microsoft.com/download>

#### IBM Mail

- You need to have an e-mail program installed, such as Microsoft Outlook, Microsoft Outlook Express, Netscape Mail, Eudora, Lotus CC Mail, etc.

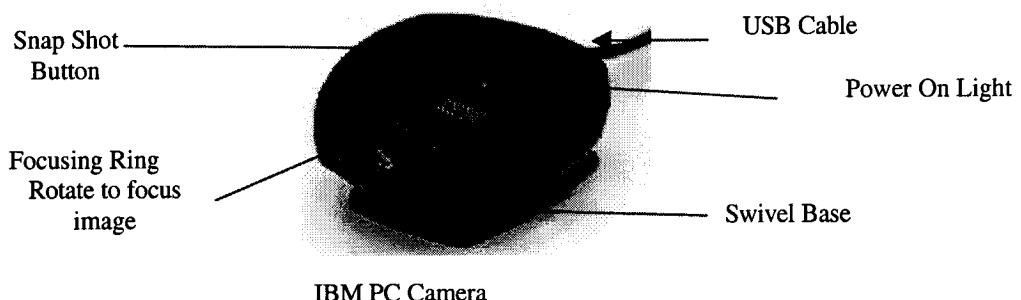
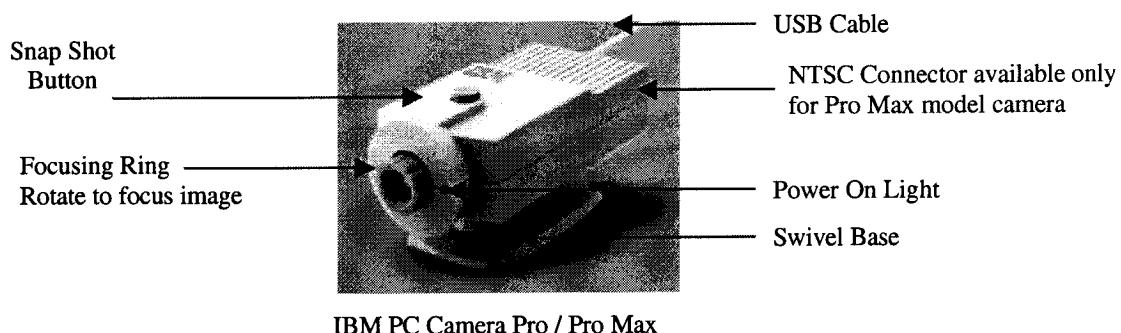
#### Standard Phone Line

- Connection to the Internet through a standard telephone line to videoconference with Microsoft NetMeeting. You need to connect to your Internet Service Provider (ISP) first.

#### Recipient or Participant Requirements

- For IBM Mail – the sender needs a compatible e-mail system that allows attachment, but no additional hardware or software is needed at the recipient's end.
- For Internet videoconferencing – virtually any videoconferencing software that meets the ITU H.323 standard (please refer to the software's manual to see if it meets the H.323 standard).

## A Quick Look at the IBM PC Cameras



### Focus the Camera

You focus the camera with the focus ring.

### Adjust the Monitor

For best results you may need to adjust the computer monitor settings.

- 1 With Windows running, double-click on My Computer icon.
- 2 Double-click on the Control Panel icon.
- 3 Double-click on the Display icon.
- 4 Click on the Settings tab.
- 5 From the color palette field, select either High (16-bit), True (24-bit), or True (32-bit) color.
- 6 Click OK.

### Tips for Taking Good Pictures

By following these simple tips, you can take quality videos and pictures with the IBM PC Camera.

#### Composition

- Aim the camera so the subject is in the center of the image.
- Put the camera on a flat, steady surface. If you have to hold the camera during the shot, hold it still when shooting.

# A

## Appendix A: Technical Specifications

### IBM PC Camera 300 USB PC Camera

#### Features Summary:

- 1/5" CMOS Sensor

#### Digital video camera:

- 30 fps CIF(352x288) video frame rates.
- Patent pending ViCE video compression engine, delivers astounding compression
- Push button for easy still image capture
- Adjustable focus lens
- 360° swivel base with +/- 20° movement
- Drivers support Win98 and Win2000

<b>Sensor</b>	1/5" CMOS Sensor
<b>Color</b>	24-bit true color: Up to millions of colors
<b>Image Resolution</b>	352 x 288
<b>Lens</b>	Infrared filter lens coating
<b>Field of View</b>	42 degrees
<b>Focus Distance</b>	5 mm to infinite
<b>Lens Type</b>	5.6 mm, f2.0
<b>Power</b>	USB interface supplies power
<b>Dimension</b>	1.5" (H)x 2.5"(W) x 2.8" (D)

**Host System Requirements**

Minimum operating platform is a 166 MHz  
Pentium® MMX® with USB

**Real-time Video**

CIF at 30 fps

**Software Bundle**

IBM PC Camera Software, PhotoStudio v2.0,  
VideoImpression v1.5, PhotoPrinter v2.0,  
PhotoFantasy v2.0, and Microsoft Netmeeting