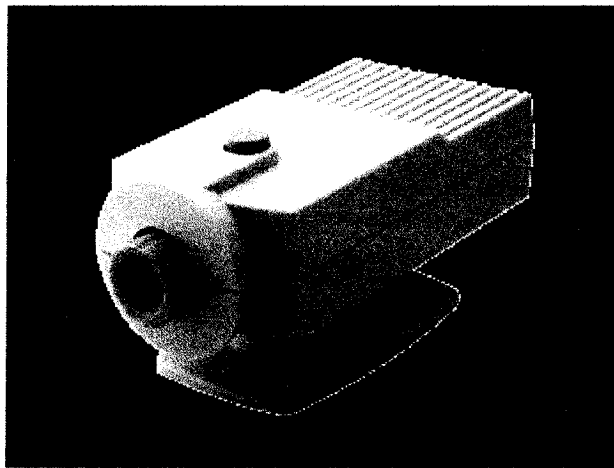


IBM PC Camera

User's Guide

Model PCC4889/4890
For Windows



Release 3.0.0.0
August, 1999
Xirlink, Inc.

FCC Warning

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 Communications Commission helpful: "How to Identify and Resolve Radio-TV interference 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.

Introduction	5
Welcome to Video Media	5
What's In the Box	5
What You Need	5
A Quick Look at the IBM PC Camera	7
Focus the Camera	7
Adjust the Monitor	7
Tips for Taking Good Pictures	7
Composition	7
Lighting	7
Video Quality	7
A Quick Look at applications	8
IBM PC Camera	8
IBM Album	8
Installation	9
Before You Begin	9
Registering Your IBM PC Camera	9
Installing the Software	9
To install the Software	9
To Connect the IBM PC Camera	13
The IBM PC Camera Icons	13
Getting Help	14
IBM PC Camera	15
To open the Camera window	15
To transpose the image	15
To open the Video Album	17
Adjusting the Video	17
To display the video settings	17
To change the various options	18
Camera Options	18
Capture Control	18
Video Mail	20
Mail Agent	21
Video Quality	22
Video Format	24
About	25
IBM Album	26
To open the Video Album:	26
Playing Back an exe file from Album	27
Playing Back an avi file from Album	27
Seeing a Snapshot	27
Seeing a Snapshot	28
Sending IBM Mail, captured video clip or Snapshot with E-mail:	28
Setting Album Options	29
The IBM Album's Menu Commands and Tool Bar	30
File Menu	30
View Menu	31
Camera Menu	31
Help Menu	32
The Video Album Tool Bar	32

	4
The IBM Album with third party software	33
Imaging for Windows	33
Video Impression.....	37
IBM Perfect Photo	40
Frequently Asked Questions	44
Troubleshooting	49
Appendix A: Technical Specifications	52
Appendix B: How to send out IBM Mail using other e-mail servers.....	53
IBM Mail with America Online 4.0.	53
Create IBM Mail	53
Attach and send your IBM Mail.....	53
IBM Mail with CompuServe 3.0.....	55
Create IBM Mail	55
Attach and send your IBM Mail.....	55



Appendix A: Technical Specifications

PC Camera Specifications

- USB telephony peripheral compliant; up to 12 Mbps, Bi-directional, isochronous. No video capture card or power supply necessary
- ViCE^a (Video Compression Engine) built-in
- Supports standard 352x288 (CIF), 352x240 (SIF), 320x240, 176x144 (QCIF), 160x120 and 128x96 (sub-QCIF) video formats. Also provides software enhanced 704x576 (4CIF) and 640x480 formats for still images.
- 24-bit true color, YVU 4:2:2, YVU12 and YVU9 formats supported
- Adjustable lens for close-up to infinity
- Mechanical dimensions: 2.1" (h) x 2.6" (w) x 4.5" (d)
- +/- 20¼ tilt by 100¼ swivel movement

Software Specifications

IBM PC Camera Interface

- Cool 3D multimedia graphical user interface
- Scaleable 3D curved windows
- Total control over camera settings
- Supports DirectDraw graphic cards
- Captures high quality still images and real time audio/video
- Create, edit, preview and stores image in Video Album
- Built-in video e-mail feature allows you to send a still image or digital audio video clips
- Stores in BMP and AVI formats with optional H.263 and G.723 compression

Camera drivers for Windows 95 (OSR2), Windows 98, and Windows NT 5.0

- Fully USB WDM and Video for Windows compliant
- Provides on-the-fly decompression for ViCE^a compressed audio/video

Internet Videoconferencing

- H.323 Internet videoconferencing using Microsoft NetMeeting

IBM Mail

- Internet E-mail server
- Sound blaster compatible sound card with microphone

System Requirements

- USB Pentium PC with 28.8K modem or above
- 16 MB system memory and 10MB hard drive space
- Internet ready PC for videoconferencing

Copyright Information

Xirlink, Inc independently publishes this product manual. International Business Machines Corporation is not responsible in any way for editorial policy or other contents of this publication.

The following is a registered trademark of International Business Machines Corporation in the United States and worldwide: IBM. Xirlink is an authorized licensee of the IBM Camera. Other company, products and service brand names may be trademarked or have registered trademarks of their respective owners.

Information is subject to change without notice and does not represent a commitment on the part of Xirlink, Inc. The software described is furnished under a licensing agreement. The software may be used or copied only in accordance with the terms of such an agreement. It is against the law to copy the software on any medium except as specifically allowed in the licensing agreement. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or information storage and retrieval systems, or translated to another language, for any purpose other than the licensee's personal use and as specifically allowed in the licensing agreement, without the express written permission of Xirlink, Inc.

Restricted Rights Legend

Use, duplication, or disclosure is subject to restrictions as set forth in contract subdivision (c)(1)(ii) of the Rights in Technical Data and Computer Software Clause 52.227-FAR14.

Material scanned by this product may be protected by governmental laws and other regulations, such as copyright laws. The customer is solely responsible for complying with all such laws and regulations.

Xirlink's Limited Product Warranty

If you find physical defects in the materials or the workmanship used in making the product described in this document, Xirlink will repair, or at its option, replace, the product at no charge to you, provided you return it (postage prepaid, with proof of your purchase from the original reseller) during the 12-month period after the date of your original purchase of the product.

THIS IS THE IBM PC CAMERA'S ONLY WARRANTY AND YOUR EXCLUSIVE REMEDY CONCERNING THE PRODUCT. ALL OTHER REPRESENTATIONS, WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, WRITTEN OR ORAL, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON- INFRINGEMENT, ARE EXPRESSLY EXCLUDED. AS A RESULT, EXCEPT AS SET OUT ABOVE, THE PRODUCT IS SOLD "AS IS" AND YOU ARE ASSUMING THE ENTIRE RISK AS TO THE PRODUCTS SUITABILITY TO YOUR NEEDS, ITS QUALITY AND ITS PERFORMANCE,

IN NO EVENT WILL XIRLINK BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE PRODUCT OR FROM ITS USE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

All exclusions and limitations in this warranty are made only to the extent permitted by applicable law and shall be of no effect to the extent in conflict with the express requirements of applicable law.

FCC Radio Frequency Interference Statement

Note: 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 instruction guide, 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 harmful 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 the 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 or TV technician for help.