


Operating Instructions

Meade CaptureView™ Integrated Binocular and Digital Camera (Patent Pending)



WARNING! Never use a Meade® Binocular to look at the Sun! Looking at or near the Sun will cause instant and irreparable damage to your eyes. Children should always be supervised when using the binocular. Do not point the binocular at or near the Sun. Children should always have adult supervision while observing.

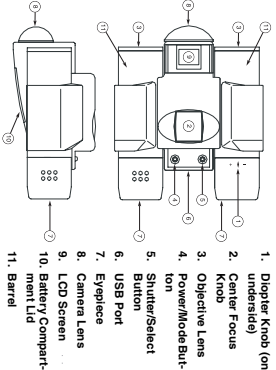


Fig. 1: CaptureView Integrated Digital Camera and Binocular.

I. Introduction

Meade CaptureView is an 8 x 22mm full-featured binocular integrated with a digital camera that requires no film to take pictures. **For best results, please follow these written operating instructions to capture and download pictures.**

1. Fully functional binoculars.
2. Take pictures and view them on your PC.
3. Transfer pictures to your PC for easy printing, editing, enhancing, and manipulating.
4. E-mail pictures to your friends and family.
5. LCD display panel indicates capture status for ease in selecting and performing desired operations.

Important Note:

Failure to remove batteries will result in lost pictures and dead batteries after several days in CaptureView storage. The batteries will again even after downloading pictures to your PC. CaptureView has a memory. Please remove the batteries when not using the camera.

II. How to Use Your Binocular

To enhance your viewing enjoyment, please take a moment to familiarize yourself with your new binocular.

Adjustment of Eye Relief for Eyeglass Wearers

For best results when viewing an object while wearing eyeglasses, fold down the rubber eyecups and place them against your glasses.

Adjusting the Eyepieces

The distance between your eyes is usually different than the distance between another person's eyes. This distance is known as the interpupillary distance, or IPD. Adjustment to your IPD is important to the proper use of your CaptureView.

1. Hold CaptureView up to your face in the normal viewing position, using the rubber eyecups.
2. Pull the barrels of each the lenses together until you see a single circular field with both of your eyes. (Fig. 2)

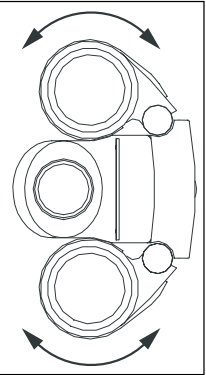


Fig. 2: Adjustment of Interpupillary Distance (IPD).

Focusing the Binocular

1. Set the Diopter Knob on underside of CaptureView (see 1, Fig. 1) at its center point between + and -.
2. Choose an object that is at least 16 feet (4.9m) away.
3. Looking with just your left eye, rotate the Center Focus Knob (2, Fig. 1) until the object you are viewing is in best focus.
4. Looking with just your right eye, rotate the Diopter Knob (1, Fig. 1) until the object you are viewing is in best focus.
5. Now looking with both eyes, with a turn of the Center Focus Knob both far and near objects can easily be brought into focus.

III. How To Use Your Camera

CaptureView performs best under good lighting conditions. It also takes some practice to get used to high-magnification photography. We suggest that you take some time to practice capturing and downloading pictures. Depending on the lighting conditions, the pictures you capture may appear as bright or centered steady as viewed through the binoculars.

Inserting Batteries

1. Lift the battery compartment lid (10, Fig. 1) by pressing a fingernail or similar tool into the lid latch, and gently pulling to the rear and upward simultaneously.
2. Insert 2 AAA-size batteries into the compartment, noting correct polarity as illustrated inside the compartment.

Taking Pictures

1. Press the powermode button (4, Fig. 1) to turn on the camera.
2. Select a picture resolution mode by pressing the powermode button repeatedly to reveal the VFL screen for 640x480 high resolution mode and (5, Fig. 1) to select a mode. A beep will sound to confirm the selection. The mode selected will show on the LCD. See "Digital Camera Modes" for more information.
3. Sight on a target through CaptureView.
4. Hold CaptureView steady and press the shutter/select button (5, Fig. 1). A beep sounds to confirm that a picture was taken.
5. The counter in the LCD increases by one.

Self-Timer Mode

1. The self-timer allows a 10 second delay before taking a picture.
2. Press the powermode button (4, Fig. 1) to turn on the camera.
3. Press a picture resolution mode by pressing the powermode button repeatedly to reveal the VFL screen for 640x480 high resolution mode and (5, Fig. 1) to select a mode. A beep will sound to confirm the selection. The mode selected will show on the LCD. See "Digital Camera Modes" for more information.
4. Press the powermode button until the self-timer option displays. It will show the resolution you chose and a clock. Press the shutter/select button to select the self-timer mode. The clock and resolution now show on the LCD.
5. CaptureView beeps when the picture has been taken.
6. The counter in the LCD increases by one.

Erasing/Deleting Pictures

Note that you can always erase the last picture using the ED 1 option or erase all the pictures using the EAL option. See "Digital Camera Modes."

When CaptureView's memory is full, the LCD displays FULL and you are prevented from taking any more pictures until you have downloaded your pictures and/or erased pictures using the EAL or ED 1 options.

IV. Digital Camera Modes

Default Setting: You must use all the screen to take pictures. Your selected resolution mode will show on the LCD. The picture counter starts at 000 as shown. Please note that the battery life indicator (lower right) shows black shading top and bottom when receiving full power.

Resolution Options

1. High Resolution (640x480) Mode (VHL). CaptureView will store up to 45 images.
2. Low Resolution (320x240) Mode (LO). CaptureView will store up to 100 images.

LO

Before performing any operations with CaptureView, select a resolution option, VHL or LO.

1. Press powermode button (4, Fig. 1) until the desired mode displays in the LCD.
 2. Press the shutter/select button (5, Fig. 1) to select the mode.
- After a resolution has been selected, the self-timer mode will also be in VHL resolution, etc.

Other Modes

1. Off screen: Pressing the shutter/select button shuts the camera off.



MEADE BINOCULAR/CAMERA LIMITED WARRANTY

Every Meade binocular/camera is warranted by Meade Instruments Corporation ("Meade") to be free from defects in materials and workmanship under normal use for the period of time specified below. This warranty applies to the original product only and is non-transferable. Meade products purchased outside North America are not included in this warranty, but are covered under the manufacturer's warranty. For more information, please contact the manufacturer. This warranty is not valid in cases where the product has been altered or misused, where unauthorized repairs have been made, or where the product is used for purposes other than those intended. This warranty does not cover product specifications or accessories produced without prior notice. This warranty gives you specific rights. You may have other rights which vary from state to state. Meade reserves the right to change product specifications or to discontinue production without prior notice. This warranty is void where prohibited by law.

ANY RETURN MADE IN THE U.S.A. UNDER THIS LIMITED WARRANTY MUST FOLLOW THIS PROCEDURE:

1. Contact your binocular/camera dealer to avoid shipping damage. Use a thick-walled carton.
2. Enclose a written statement detailing the exact nature of the service needed. Be sure to include the Meade number, your name, address, date of purchase, and serial number.
3. Enclose \$20.00 to cover handling and return shipping by check or money order payable to "Meade Instruments Corporation".
4. Include a return label with the shipping label. The return label will be covering when you receive the package and send your binocular/camera. (freight prepaid, to: Meade Instruments Corporation, 6601 Oak Canyon, Irvine, California 92618)

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2. Self-Timer Mode with 10 second delay.

3. Erase All Images Mode.

4. Erase Last Picture Mode.

5. PC Connect Mode. Not a selection. The screen only shows when *CaptureView* is connected to your PC with the supplied USB cable.

V. System Requirements

1. Windows 98 / Windows Me / Windows 2000 / Windows XP
2. 200MHz (or equivalent) processor or faster.
3. 64MB of SDRAM.
4. Video (VGA) card with 2MB of RAM for minimum 16-bit (High Color) display.
5. CD-ROM drive.
6. USB port.
7. 600MB of free hard drive space.

If you have questions regarding your PC system specifications, please contact your PC manufacturer.

VI. Software and Driver Installation

Place the CD (supplied) bundled with the *CaptureView* into the CD-ROM drive (see System Requirements). The start screen will come up automatically. If your PC does not autoplay CD-ROMs, click on "Demo2.exe" in the CD's directory.

Software Installation

Click on "Install Software" and follow the prompts on your screen. When the

picture download/loading program installation is complete, you will then be returned to the installation start screen.

Driver Installation

A software driver is required for your PC to recognize the *CaptureView* camera. Please install the driver before connecting the *CaptureView* to your PC. Click on "Install Driver" on the software installation start screen and follow the prompts. The driver loaded is called ScopeCam, which is how you will find your prompt. Insert your computer. When Windows loads, connect *CaptureView* to the computer's USB port as depicted in Fig. 3.

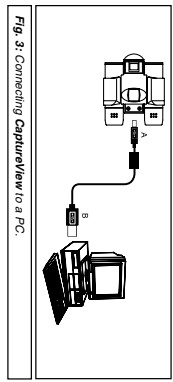


Fig. 3 Connecting CaptureView to a PC.

Important Note Regarding Device Driver Installation

Depending upon the device drivers that are already installed on your computer system, the *CaptureView* driver installation just outlined may not be recognized easily, remedied by performing the following in response to the questions Windows will ask you:

1. After connecting the *CaptureView* to your PC for the first time, Windows asks you to insert the installation CD into your CD-ROM drive. Please insert the CD and click the OK button.
2. When the "Install New Hardware" dialog box appears, click the "Next" button.

3. If necessary, navigate to your CD drive, open the Driver folder, and then click the Open button. (Please notice that Windows may already be in this folder. If so, click the Open button.) Please substitute your CD drive letter for D as appropriate for your CD drive.)
4. Click the OK button in the next window.
5. Windows again asks for the installation disk. Repeat steps 2-4.
6. Windows is now looking for another system file. Repeat steps 2-4.
7. Windows is now looking for an initialization file (filename.ini). Repeat steps 2-4.

With the software and driver loaded, your computer, rebooted and the *CaptureView* connected to your PC, you are now ready to run the *Ultara! Photo Express* software to download and share images. *Ultara! Photo Express* allows you to capture, print, and e-mail images, and share them with friends. The software is installed on your hard drive (located on your hard drive (Start/Programs/Ultara! Photo Express) and the on-screen Help menu for more information about the software. Note: For best image viewing, set your PC monitor to 1024 or 1280 color.

Troubleshooting
It is very important to use the following connection and disconnection procedures to download pictures.

1. Only connect *CaptureView* to your PC when the PC is on and Windows has completed loading.
2. Your *CaptureView* camera and PC must be connected before running the software program.
3. Avoid connecting, disconnecting and reconnecting the camera. If you have disconnected pictures and disconnected the camera, please reboot before reconnecting.
4. Always disconnect *CaptureView* before shutting down the PC.

If *CaptureView* is unexpectedly not recognized by the software program, close the program, disconnect the camera and reboot your PC. Only connect and disconnect the camera and reboot your PC. Only connect and disconnect your *CaptureView* using the procedure outlined in this section.

VII. Maintenance

Operating Environment: 41° to 104° F (5° to 40° C), 20%-85% relative humidity, non-condensing.

Care of your CaptureView

1. Never immerse *CaptureView* into any fluid or liquid. Remove dust or stains with a soft cloth dampened with water or neutral detergent. Keep in a dry and cool dust-free environment or a container when it is NOT used.
2. Take the batteries out when *CaptureView* is NOT to be used over a long period.
3. Avoid dropping the *CaptureView*. Do not disassemble *CaptureView*.
4. Download pictures to your PC before removing the batteries.

Note: After taking out the batteries, power to the *CaptureView* will be maintained for 30 seconds. The batteries must be replaced every 30 seconds to maintain operation. Be sure the *CaptureView* is off before changing the batteries.

VIII. Specifications

Binocular Power	.....	8X
Binocular Objective Lens Diameter	.....	22mm
Binocular Optical Design	.....	Folding Roof Prism
Angle of View (Camera / Binocular)	.....	8.0° / 7.0°
Binocular Field of View	.....	400 ft. at 1000 yds.
Camera Aperture	.....	f/5.6 Fixed Lens
Image Capture Resolution	.....	640 x 480 / 320 x 240
Camera Optical Range	.....	15.6 Feet to Infinity
Storage Capacity	.....	8MB SDRAM
Memory	.....	8MB SDRAM
Operating System Requirements	.....	Windows 98/2000/Me/XP
Interface Type	.....	USB
Weight	.....	4.5" x 3.5" x 3.5"
Batteries	.....	Two AAA 1.5V Alkaline