

EXTECH VIDEO BORESCOPE

This guide covers the major features of this product - it does not cover all of the available functions. This guide is not intended to replace the original equipment manual. Please refer to the manual for more detailed operating instructions and safety information.

EQUIPMENT DESCRIPTION

The Extech Video Borescope [1] most commonly used as a remote inspection device. It can be used to peer into tight spots and then supply real-time video and images that can be recorded. The 3.5" LCD monitor provides high resolution images and the image head and cable are water resistant when the unit is fully assembled (note: the monitor and camera are not water resistant). The monitor also has wired and wireless functionality.



Figure 1: Extech Video Borescope

EQUIPMENT OPERATION

ASSEMBLY

1. Insert the flexible cable and camera head onto the barrel of the camera. The barrel can then be screwed in to fix the flex cable in place [2]
2. Slide the LCD monitor into place on the back of the camera [3] or leave unconnected for wireless use
3. Insert MicroSD Card into slot on left side of LCD screen. [4]

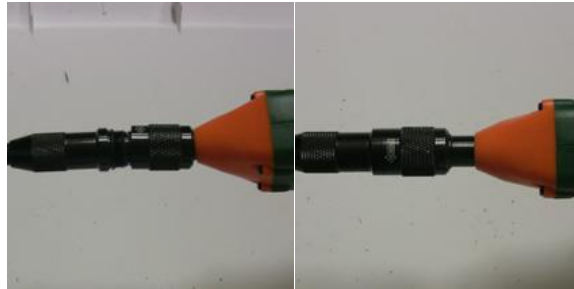


Figure 2: Attaching the Flex Cable



Figure 3: Attaching the LCD Monitor



Figure 4: LCD Screen Ports

BASIC OPERATION

1. Use the dial switch [5] located on the camera to turn the camera on. Power to the camera will be indicated by a red LED on top of the camera [6]. The dial acts as a dimmer switch for the LEDs on the head of the camera allowing the user to adjust the brightness of the image.



Figure 5: Camera Dial Switch



Figure 6: Camera Power LED

2. Turn the LCD screen on by pressing and holding the power button on top of the screen [7] for at least 2 seconds.



Figure 7: LCD Screen Power Button

3. Use the ▼ key on the side of the LCD screen [8] to ensure that the screen is on Channel 4. The real time image will then appear on the display LCD monitor.



Figure 8: LCD Screen Controls

4. Use the ▲ key [8] to select video or photo mode. This will be indicated by a video or photo icon in the top left corner of the screen.
5. The flex cable can be easily maneuvered into position and be bent into the shape of the area to be examined.
6. Remember to turn off both the camera (using the dial [5]) and the LCD screen (holding the power button [7]) when finished.

TAKING A PICTURE


1. In Photo mode, press OK [8] to take a picture. The photo will automatically save to the SD card.
2. The number of photos remaining before the memory card is full is displayed in the bottom right corner of the screen in white numbers [9].















Figure 9: Recording Mode

RECORDING A VIDEO





1. In Video mode, press OK to begin recording.
2. A large red dot in the top center of the screen will indicate that the device is recording [9]

3. The length of the video being recorded is displayed in the bottom right corner of the screen in white numbers [9]
4. Press  again to end the recording
5. The amount of recording time remaining is now displayed in the bottom right corner of the screen in white numbers [9]




VIEWING A PHOTO OR VIDEO:


1. Press the  button [8] to display a list of dated playback folders
2. Use the   keys to select the desired folder.
3. Press  to open the selected folder and view a list of photo or video files.
4. Files are listed by time, and photos are indicated by a “ ” after the time.
5. Use the   keys to select a file.
6. Press OK to display the selected photo or video.
7. For video files, press  to pause while playing. Press  the button again to resume. Press  to Fast Forward and  to Rewind.
8. Press the  button to return to menu.
9. Press the  button again to exit.

DELETE A SINGLE VIDEO OR PHOTO:

1. With the desired file highlighted on the screen, press and hold the  button
2. The display will show **‘DELETE CURRENT FILE?’**
3. Use the   keys to select YES or NO.
4. Press OK to accept selection.
5. Press the  button twice to exit the Delete screen.

DELETE A FILE FOLDER


1. Only empty folders can be deleted. Delete all files inside the folder before attempting to delete the folder.
2. With the desired dated folder highlighted on the screen, press and hold the  button.
3. The display will show **‘DELETE CURRENT FOLDER?’**
4. Use the   keys to select **YES** or **NO**.

5. Press  to accept selection.

VIDEO DISPLAY ON A PC

1. Connect the USB cable to the LCD screen [4], and the other end to an available USB port on the computer
2. The files will become available as a new drive on the computer. Files will be located in dated folders (YYYYMMDD) according to when the image was taken or video was recorded
3. Files and folders can be deleted from the memory using the computer interface more easily than the LCD screen interface.
4. If the *.avi video files will not play on any installed media software, a software plugin is available on the supplied CD which will allow compatibility with Media Player.

SETTINGS

To enter settings mode press and hold the  button for 2 seconds in enter Settings Mode. See the User's Guide for various settings that can be configured in this mode.

CHARGING

The monitor has a rechargeable battery. Plug in the AC adaptor and connect the cable to the power port on the monitor [4]. The power indicator will light right (or the battery capacity icon on LCD screen will blink) indicating that it is charging. This will turn off after a full charge.