MIDLAND®

XTC300
Owner's Manual

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You Tube READY **DVR** DIGITAL VIDEO RECORDER **1080p HD®**   XTC Wearable Video Camera
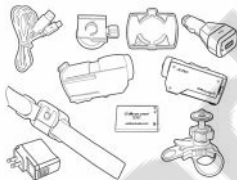
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Quick Start Guide

1. On the back, press the button downwards then open the door.
2. Insert the battery and micro SD card observing proper direction. Close cover.
3. To start recording, move RECORD switch fully forward
4. To stop recording, slide switch back to the off position.
5. Plug in camera to computer and download video.

Welcome to the XTC Action Camera Experience

Thank you for your purchase of the XTC-300 Action Camera. As someone who seeks adventure, we are proud to offer you the ultimate tool in capturing and recording your adventures. With easy to use one switch operation, 127 degree angle lens and 4 hour battery life you never miss a minute of the action. Once captured, simply connect to your computer and upload the videos to share with friends. It is that simple. Enjoy!

What's in the Box

XTC-300 Package Includes:
1. Midland XTC-300 Camera
2. USB Cable
3. Lithium-Ion Battery Pack
4. Goggle Mount
5. Helmet Strap Mount
6. Helmet Adhesive Mount (includes 2 3M adhesive pads)
7. Bicycle Handlebar Mount
8. USB DC adapter
9. USB AC adapter
10. Submersible Case

XTC-350 Package Includes:
1. Midland XTC-350 Camera
2. USB Cable
3. Lithium-Ion Battery Pack
4. Visor Mount
5. Tree Mount
6. Bow Mount
7. Bicycle Handlebar Mount
8. USB DC adapter
9. USB AC adapter
10. Submersible Case
*XTC-350 accessories not shown

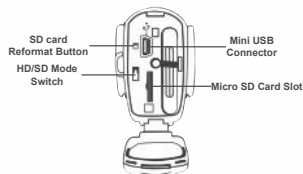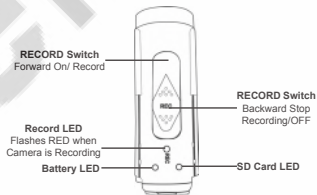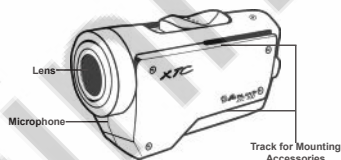## XTC-300 Features and Controls

1080p Features:
- 30 frames per second
- 127 degree angle
- 16:9 aspect ratio
- 1920 x 1080 resolution
- Records as mp4

720p Features:
- 60 frames per second
- 170 degree angle
- 16:9 aspect ratio
- 1280 x 720 resolution
- Records as mp4

480 Features:
- 60 frames per second
- 170 degree angle
- 16:9 aspect ratio
- 848 x 480 resolution
- Records as mp4

Lens
Microphone
Track for Mounting Accessories

RECORD Switch
Forward On/ Record

RECORD Switch
Backward Stop Recording/OFF

Record LED
Flashes RED when Camera is Recording

Battery LED

SD Card LED

SD card Reformat Button

HD/SD Mode Switch

Mini USB Connector

Micro SD Card Slot

Getting to Know the XTC-300

Battery
1. To insert the battery, push down the battery door latch on the back of the camera.
2. Pull battery door backwards to open.
3. Install Lithium-Ion battery, observing proper direction.
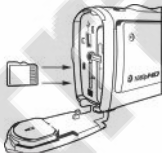4. Return battery door and click into place.

Battery Status Indicator	Meaning
Solid Green	Indicates full battery life
Blinking Green	Battery is charging
Solid Orange	Medium battery life
Solid Red	Indicates low battery life
Blinking Red*	Too low to operate
No Light	Batteries are depleted.

*Note: When the red battery LED begins blinking, be prepared to charge the battery because the camera will stop recording at this point.

Micro SD Card
1. Lift latch on back to open the door
2. Insert Micro SD card into slot observing proper direction (shown below).
3. Close door until it clicks shut

Getting to Know the XTC-300

Recording
1. Move the RECORD switch forward. This turns the camera on.
2. The battery indicator will light from red to green. The SD card indicator will illuminate. The camera is capturing audio and video when the REC indicator is flashing.
3. To stop recording, move the RECORD switch back to the off position.

SD card LED Status	Meaning
Green	75% more available.
Orange	34% - 75% available.
Red	Less than 34% or no Micro SD card installed.
Flashing Red	Cannot read the card.
Flashing Green	Indicates card is being reformatted.

Memory Size	1080p Record Time	720p Record Time	480p Record Time
512 MB	7.5 Minutes	6.5 Minutes	10 Minutes
1 GB	15 Minutes	13 Minutes	20 Minutes
2 GB	30 Minutes	26 Minutes	40 Minutes
4 GB	60 Minutes	52 Minutes	80 Minutes
8 GB	120 Minutes	104 Minutes	160 Minutes
16 GB	240 Minutes	208 Minutes	360 Minutes
32 GB	480 Minutes	416 Minutes	720 Minutes

Note:
1. The camera automatically splits the video into 2 GB segments.
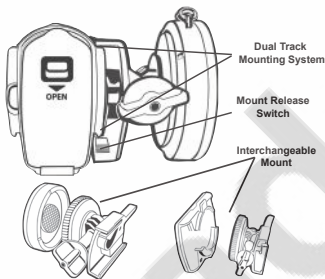2. HD video requires class 4 micro SD card to record and playback

Camera Mounting and Aiming

Mount on Dual Track System
    The XTC-300 was innovatively designed with an identical dual track mount system on either side of the camera. This allows you to mount it on both sides of a helmet with ease. In addition, the main mount piece is interchangeable and can be moved from the helmet mount to the goggle mount. This eliminates the hassle of having to remount the camera every time.

    To mount the camera on the main mount piece, slide the camera onto the dual track system with the two notches on the mount facing towards the back of the camera.

    To detach the camera from the main mount, hold the camera with the lens facing away from you. Press down the mount release switch and pull the mount towards yourself.

Dual Track Mounting System

Mount Release Switch

Interchangeable Mount

Aiming the Camera when mounted with the dual track mount:
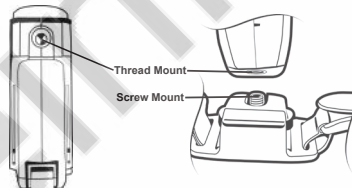When mounting the camera on a helmet, you must do the following:
1. Consider what you would like to shoot and mount the camera accordingly- left side, right side or top.
2. Find a flat surface and ensure the area is clean of dirt and debris. Remove the cover of the adhesive pad and adhere to the helmet.
3. Once attached, adjust the camera to be sure you are not filming the sky or the ground.

Camera Mounting and Aiming

Mount using the Thread Mount
    On the bottom of the XTC-300 is a standard thread mount that allows the camera to be mounted to a tripod or other fixture with a 1/4-20 (1/4" diameter, 20 threads per inch) 5/16 deep thread. The vented helmet strap mount is a screw type mount. To affix the camera, insert the screw on the mount into the camera thread and rotate the camera clockwise to tighten down onto the screw.

__Over tightening may cause damage to the mount and/or camera__

Thread Mount

Screw Mount

Aiming the Camera when mounted with the thread mount:
When mounting the camera on the handlebars of a bike or with the vented helmet strap mount follow these steps:
1. Consider what you would like to shoot and mount accordingly.
2. Ensure once attached that the camera is aimed straight and not towards the ground or at the sky.

Reformatting the Micro SD card

Ensure battery is fully charged before formatting

The micro SD card can be reformatted while in the camera. This allows you to delete all the videos at one time. Follow these steps:
1. Press and hold the micro SD reformat button.
2. Move the RECORD switch to the on position
3. Keep the micro SD card reformat button down until the SD card indicator begins blinking green.
4. Formatting is complete when the SD card indicator turns on solid.
5. Move the RECORD switch to the off position.

    Note: The camera cannot reformat the micro SD card if the low battery light is on.

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Downloading Videos

There is no need to install any software with the XTC-300. It is a plug and play device. With this, follow the below instructions depending upon whether you have a PC or a MAC.

Downloading Videos on a PC with a WINDOWS Operating System
1. Connect the camera to the USB port using the included cable.
2. Turn the camera on by moving the RECORD switch to the record position.
3. The device should automatically install.
4. Operating system
   a. Windows XP
      i. Open "My Computer". The camera will be listed under devices with removable storage.
   b. Windows Vista
      i. Open "Computer". The camera will be listed under devices with removable storage.
   c. Windows 7
      i. Open "Computer". The camera will be listed under devices with removable storage.
5. Click on the device.
6. Open DCIM Folder.
7. Open 100MEDIA folder.
8. Your videos will be in this folder.

Downloading Video on a MAC
1. Connect the camera to the USB port using the included cable.
2. Turn the camera on by moving the RECORD switch to the record position.
3. MAC will automatically recognize the camera external hard drive.
4. Click on the icon on the desktop.
5. Open DCIM Folder.
6. Open 100MEDIA folder.
7. Your videos will be in this folder.
8. Drag video files to your hard drive or double click to view.

Minimum System Requirements

	SD video	HD video
Processor	2.8 GHz or faster	3.5 GHz or faster
Ram	512 MB or greater	1 GB or greater
Video Card	128 MB or greater	256 MB or greater

Video playback requires H.264 codec. To obtain more information go to http://www.midxtc.com/

Compatible Systems

The XTC-300 can be used on both a PC or MAC. Below are the compatible operating systems:
   Windows XP SP2
   Windows Vista
   Windows 7
   Macintosh OSX 10.4 and higher
For Windows we recommend Windows Media Player 10 or higher.
For Macintosh we recommend Quick Time 6.5 or higher.

Problem	Solution
Batteries	
Camera not turning on	Make sure battery is fully charged.
Recording	
Camera not recording	Make sure the switch is pushed all the way forward. If the record LED does not come on, turn off the device and reinstall the battery. Verify available memory.
Micro SD card	
Micro SD card not reading	Ensure the Micro SD card is inserted properly. Plug camera into the computer to verify it has available storage. Attempt formatting process.
Video Playback	
Slow or choppy video	Verify the camera is plugged into a USB 2.0 device. Remove other unused USB devices. Transfer video to computer before viewing. Verify computer meets minimum requirements. Verify proper codec is installed.

Problem	Solution
Video Downloading	
Slow data transfer	Verify the camera is plugged into a USB 2.0 device. If registering as 1.1, unplug and the re-plug the device. Remove other unused USB devices.
Computer does not recognize camera	Ensure record switch is in the record position while connected to computer. Ensure the Micro SD card is inserted properly. Micro SD card may be corrupted. Attempt formatting process.
File won't transfer off memory card	Using Windows, run Check Disk. In the run command type: chkdsk *volume*:/f then press enter
Sound	
Excessive Wind Noise	Place piece of tape over microphone hole. Try using the submersible case

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Service and Technical Support

*If you have a problem which you believe requires service, please call first and speak with a service technician. Many problems can be remedied over the phone without returning the unit for service.

For Technical Support Contact:
Midland Radio Corporation
5900 Parretta Drive
Kansas City, Missouri 64120
Phone: (816) 241-8500
Fax: (816) 241-5713
E-mail: mail@midlandradio.com
Web site: www.midlandradio.com

If after talking with technical support you still feel your unit needs to be returned for service, follow the below instructions:

1. Pack the unit in its original box and packing. Then pack the original box in a suitable shipping carton.
   Caution: Improper packing may result in damage during shipment.
2. Include the following:
   a. Full description of any problems
   b. Daytime telephone number, name & address
3. For warranty service include a photocopy of the bill of sale from an authorized dealer or other proof of purchase showing the date of sale.
4. You do not need to return accessory items (USB Cable, Various Mounts, Batteries and Owners Guide) unless they might be directly related to the problem.
5. A flat rate of $40.00 will apply to repairs not covered by warranty or units that are over one year old. Send only cashier's check, money order, Master Card or Visa card number.

FCC Information

English

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