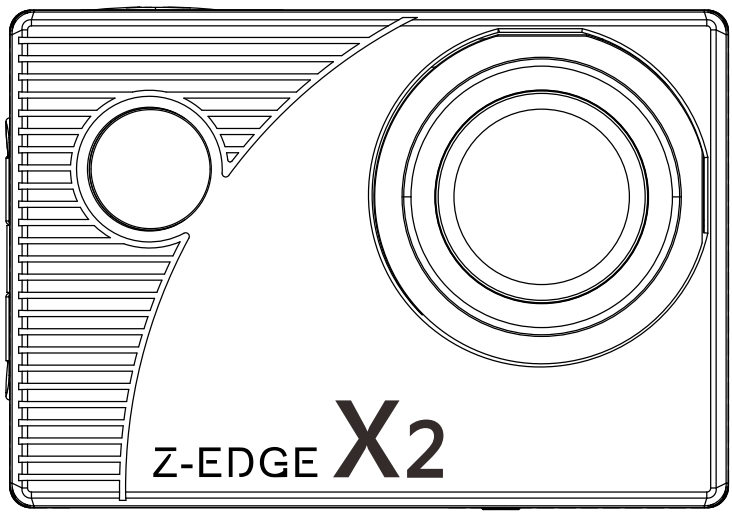
Z-EDGE



X2

USER GUIDE

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INTRODUCTION

Thank you for purchasing the X2 High Definition Sports / Action Camera by Z-Edge®. A waterproof, Full HD 1080P portable camera for recording indoors and outdoors. Please read this manual carefully before using this product. We hope you enjoy using this product.

PRODUCT OVERVIEW

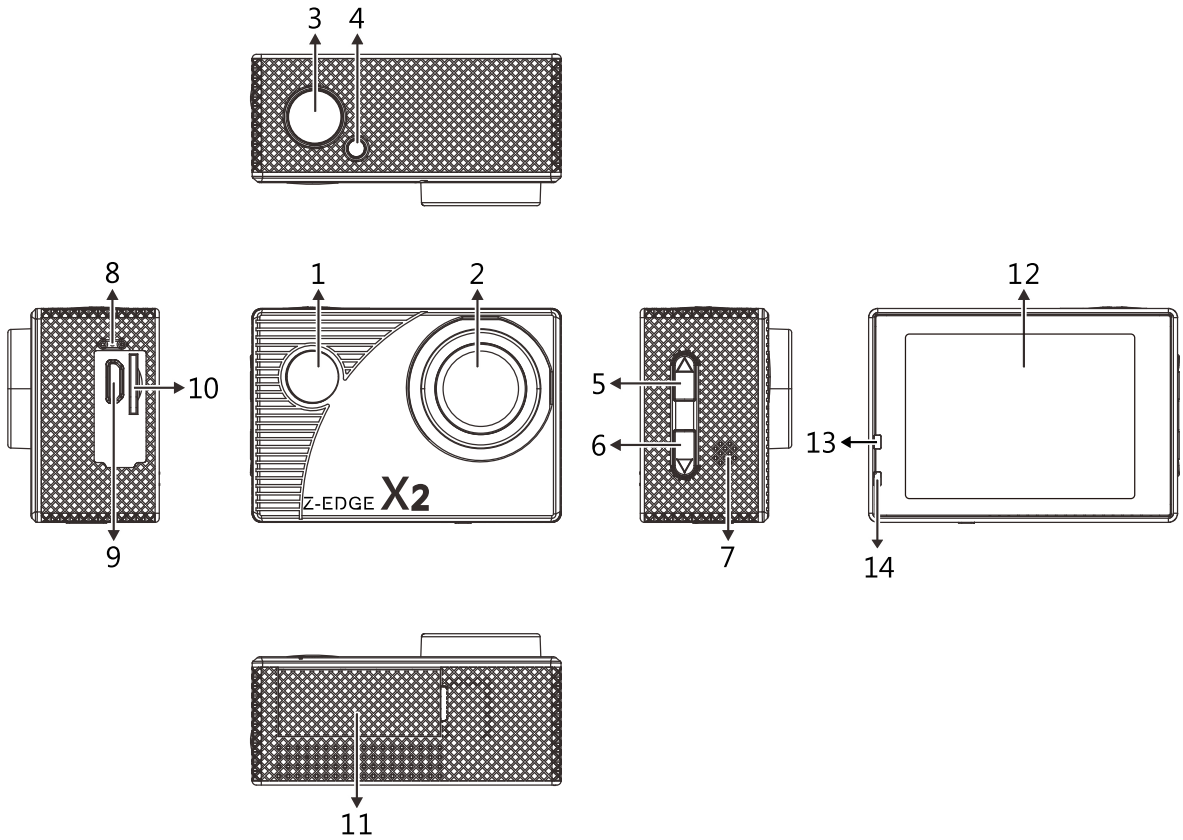
· 2.0 inch LCD TFT display screen allows you to view HD recordings and images before downloading them.

· Wide 140-degree field of view for recording more of your surroundings.

· Download our app to operate and view recordings wirelessly over WiFi.

· Support TF/MicroSD cards up to 32GB.

GETTING STARTED



Camera Components			
1	Power button/Mode button	8	Microphone
2	Camera lens	9	Micro USB port
3	OK button	10	TF Card Slot
4	Working Indicator	11	Battery Cover
5	Up/WIFI button	12	Display Screen
6	Down button	13	Working Indicator
7	Loudspeaker	14	Charging Indicator

Charging the Battery

Charge the battery by connecting the camera to a computer or other USB charging adapter with the Micro USB cable included.

Power On

Press and hold the (1) Power/Mode button for 3 seconds. The (13) Status LED Indicator lights will show blue, the display screen will turn on and a rising sound indicator chord will be heard.

Power Off

Press and hold the (1) Power/Mode button for 3 seconds. The display screen will turn off and a descending sound indicator chord will be heard.

Storage

The X2 Camera is compatible with TF/microSD memory cards up to 32GB capacity. Please use TF/microSD cards of class 10 and above for optimal performance and reliability. Format memory cards the first time you use them.

Inserting Card

Slide the TF/microSD cards into the card slot (10), when fully inserted the card clicks into place.

Removing Card

To remove, place your fingernail against the edge of the memory card and lightly press it further into the camera. The memory card will spring out for removal.

Connecting via WiFi

Connect the X2 Camera to a mobile device via WiFi using the 'Z-VergeX2' app. Control the camera shutter and change basic settings remotely via the app (effective range up to 33 feet / 10 meters), or download video and photo files directly to your mobile device. To setup a connection please follow the steps below:

1. Download and install the 'Z-VergeX2' app from your mobile device's app store.

2. Power on your X2 Camera. Press the (5) WiFi Connect/Up button to enable WiFi on your camera. The yellow indicator light on top of the camera will flash yellow when WiFi is enabled. Your camera's unique WiFi Information including network name (SSID) and password will display on the LCD screen (12).

3. Enable WiFi on your mobile device and select the cameras WiFi network, entering the password when prompted.

4. Once your mobile device is connected to the cameras WiFi, open the 'Z-VergeX2' app on your mobile device and select 'Connect camera.'

5. The app will automatically connect to the camera and open the app home page.

6. If connection fails please check your device is still connected to the camera network or repeat steps 2 to 5.

NAVIGATION

Power/Mode Switch Button (1)

· **Power ON/OFF:** Press and hold for 3 seconds to turn device ON/OFF.
· **Switch Modes:** In standby mode (camera inactive, not recording or capturing images) short press button to switch between.
· **Protect Video:** Short press to protect video when recording.

short press the Power/Mode button to switch between Video mode, Capture mode, Replay mode and Settings. In the settings menu use the Up and Down buttons (5 & 6) to navigate between the options and the Ok button (3) to select an option. Press the Power button (1) to exit the settings menu.

Ok Button (3)

· **Select/Confirm:** While browsing short press button to select or confirm highlighted item.
· **Start/Stop Video Recording:** In Video Recording and Slow Motion modes short press button to start/stop video recording.
· **Shutter:** In Photo Capture mode short press button to capture a photo.
· **Video Playback:** In Playback mode short press button to start/stop video playback.

WiFi Connect/Up Button (5)

· **WiFi Connect:** In Video Recording, Photo Capture or Standby modes press button to enable WiFi on your camera to connect to a device.
· **Navigate to Upper/Previous Item:** Short press button to navigate to upper or previous item whilst browsing the system menu or playback files.
· **Fast Rewind:** In playback mode press and hold button to fast rewind video being played.
· **Volume Up:** When playing back a video press the button to adjust volume up one step.

Down Button (6)

· **Enable/Disable Sound Recording:** In Video Recording mode press button to enable/disable Sound Recording feature.
· **Navigate to Lower/Next Item:** Short press button to navigate to lower or next item whilst browsing the system menu or playback files.
· **Fast Forward:** In playback mode press and hold button to fast rewind video being played.
· **Volume Down:** When playing back a video press the button to adjust volume down one step.

Indicator Lights Explained

Charging Indicator (14): Charging: Red
Full Charge: Red light off

Working Indicator (13): Working: Blue

VIDEO RECORDING MODE

Video Resolution

From the settings menu you can set the resolution of the X2 Camera as per the list below. All video is captured at an ultra wide 140-degree field of view which provides immersive video quality and best image stability.

Video Resolution	FPS	Screen Resolution
FHD 1080P	30	1920x1080, 16:9
HD 720P	30	1280x720, 16:9
WVGA	30	848x480
VGA	30	640x480

Video resolution can be changed inside **Setup > Resolution**

Time-lapse

Time-lapse effects are perfect for shooting at much lower frame rates over long periods of time. The X2 Camera can capture images at 1 second, 2 seconds, 5 seconds, 10 seconds, 30 seconds, or 1 minute intervals. The recording starts and stops by pressing the Shutter button in Video Recording mode. The time-lapse is saved as a video. Time-lapse intervals can be set inside **Setup > Video Laps.**

Sound Recording

With Sound Recording enabled the device will record audio for the current video clip via the integrated microphone. The feature is enabled/disabled inside **Setup > Record Audio.**

Loop Recording

With Loop Recording enabled video clips are recorded and saved to the memory card in set durations. Once the memory card is full, the Loop Recording feature automatically overwrites the earliest unprotected video clip. This prevents long duration video clips from being lost in a single overwrite. Set video clip durations between Off, 1, 2, 3, 5, or 10 minutes. Video clip duration set inside **Setup > Cyclic Record**

Driving Mode

The X2 Camera can operate like a car dash camera in Driving Mode. The camera will automatically power on and begin video recording when connected to power. Once disconnected from power it will stop recording and automatically shut down after a period of time. If operating as a car dash camera, Driving Mode is best used alongside Loop Recording for the most efficient storage of video clips. The feature is enabled/disabled inside **Setup > Car Mode**

PHOTO CAPTURE MODE

Photo Resolution

Set the Photo Resolution of the X2 Camera inside **Setup > Image Size.**

Capture Mode

Delay the capture of a single photo by up to 20 seconds after pressing the Shutter button. Self-Timer can be set inside **Setup > Capture Mode**
Quality: Set the quality of the image, select from Fine, Normal, Economy. Image quality can be set inside **Setup > Quality**.
Sharpness: Set the sharpness of the image, select from Strong, Normal, Soft. Image sharpness can be set inside **Setup > Quality**.
ISO: Set the ISO of the camera, select from Auto, 100, or 200. ISO can be set inside **Setup > ISO**.
White Balance: Set the white balance, select from Auto, Daylight, Cloudy, Tungsten, or Florescent. Set inside **Setup > White Balance**

ALL MODES & GENERAL

WiFi

To enable a connection with your device press the up button (5) on the camera.
In the settings you can set the WIFI SSID. Change the WiFi SSID inside **Setup > WIFI SSID.**
In the settings you can set the Wifi Password. Change the WiFi Password inside **Setup > WIFI Password.**

Screen Saver

Automatically turn off the LCD display screen after 1, 2, or 3 minutes. Turn on the display screen again by pressing any button. Feature set inside **Setup > Screen Saver.**

Auto Power Off

Automatically turn off the X2 Camera after 3, 5, or 10 minutes in standby mode (camera inactive, not recording or taking photos). Feature set inside **Setup > Auto Power Off**

Language

Change the language of the X2 Camera by using the Up and Down buttons to navigate options. Short press the Shutter/Select button to confirm device language. Feature set inside **Setup > Language.**

Date-Time

Change the date and time of the X2 Camera by using the Up and Down buttons to change each data entry (YYYY-MM-DD HH-MM-SS). Short press the Shutter/Select button to confirm data and move to the next entry. Short press the Mode switch button to save and exit menu. Feature set inside **Setup > Date/Time.**

COMMON FUNCTIONS

Connecting to a Computer

Connect the X2 Camera to a computer using the Micro USB cable included. Power on the camera and select from the following options:

· **Mass Storage:** In this mode the contents of the memory card will appear as a regular disk drive on your computer, as if it was a USB flash drive. Browse, play, manage and download saved files as normal. Compatible with Windows (XP and later) and Mac (OS X and later).

· **PC Camera:** Select this mode for using your X2 Camera as an external computer webcam.

File Management

Recorded video and photo files are saved in the following date + time format:
· YYYYMMDD_HHMMSS (year, month, day_hour, minute, second)

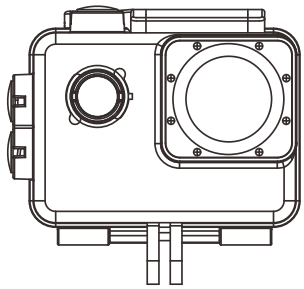
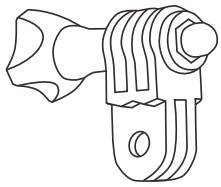
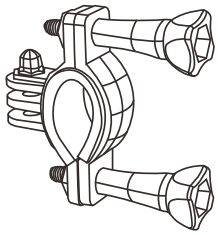
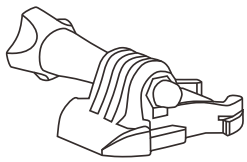
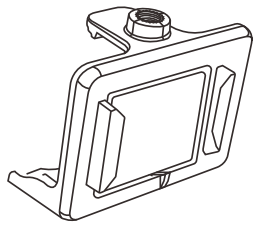
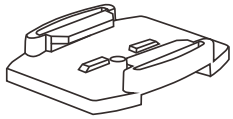
Choosing a MicroSD Card

A memory card with larger storage space can be used to store longer individual video clips or a longer total duration of saved files. This device supports TF/MicroSD cards with a storage space of up to 32GB.

Note: Use memory cards of class 10 and above for optimal performance. Format memory card the first time you use it.

MOUNTING GUIDELINES

Types of Mounts

<table>
<tr><td>Camera</td><td colspan="3"> 
1x Camera Housing</td></tr>
<tr><td>Joints</td><td colspan="3"> 
1x 90-degree Joints</td></tr>
<tr><td rowspan="2">Mounts</td><td rowspan="2"> 
1x Handlebar Mount</td><td> 
1x Helmet Mount</td><td rowspan="2"> 
1x Clip Mount</td></tr>
<tr><td> 
1x Adhesive Mounts</td></tr>
</table>

Note: To securely attach a mount please ensure you read the following instructions below:

· Attach adhesive mounts 72 hours before use (24 hours minimum) to ensure a strong bond.

· Adhesive mounts must be mounted on smooth surfaces to ensure a proper bond.

· Apply adhesive mounts to clean surfaces only - wax, oil or dirt will weaken the bond.

· Firmly press adhesive mounts into place and ensure full contact over the entire surface.

· Attach adhesive mounts in room temperature conditions.

Mounting Accessories

· 2x Velcro Straps
· 2x Buckle Straps

TECHNICAL SPECIFICATIONS

Product Dimension	2.36inch x 1.61inch x 1.18inch (60mm x41mm x 30mm) (LxWxH)
Weight	About 1.94 oz (55g)
Display Screen Dimension	2.0"HD screen(16:9)
Lens	140-Degree
Video Resolution	1080P 30FPS (1920x1080P 30FPS) 720P 30FPS (1280x720,30FPS) WVGA (848X480p 30 FPS) VGA (640X480P 30FPS)
Video Format	AVI
Still Picture/Photo Resolution	12M 4032x3024 8M 3264x2448 5M 2592x1944 2MHD 1920x1080
Still Picture/Photo Format	JPEG
External Storage Card Type	TF/Micro SD
External Storage Support	Up to 32GB
Microphone/Loudspeaker	Built-in
Light Frequency	50Hz/60Hz
USB Port	Micro USB
External Power Supply	DC5V 1A
Battery	900mAh Li-ion battery
Computer System Requirement	PC: Windows XP and above MAC: OS X and above
Language Selection	English, Traditional Chinese, Simplified Chinese, Japanese, French, German, Italian, Korean, Portuguese, Russian, Spanish, Thai

Note: Android version supports 4.4.2 or above versions IOS8.0 or higher version is compatible with iPhone5s or above models.

The design and specifications of this product could be amended at any time without prior notifications. There might be some differences between the product and the description in this manual.

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