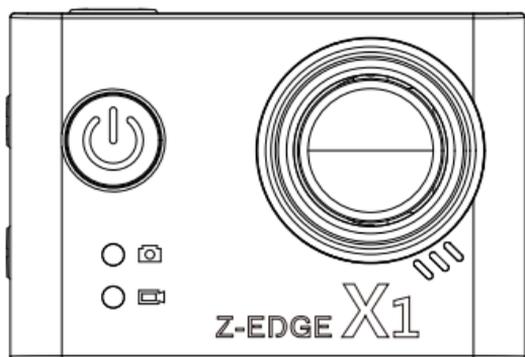
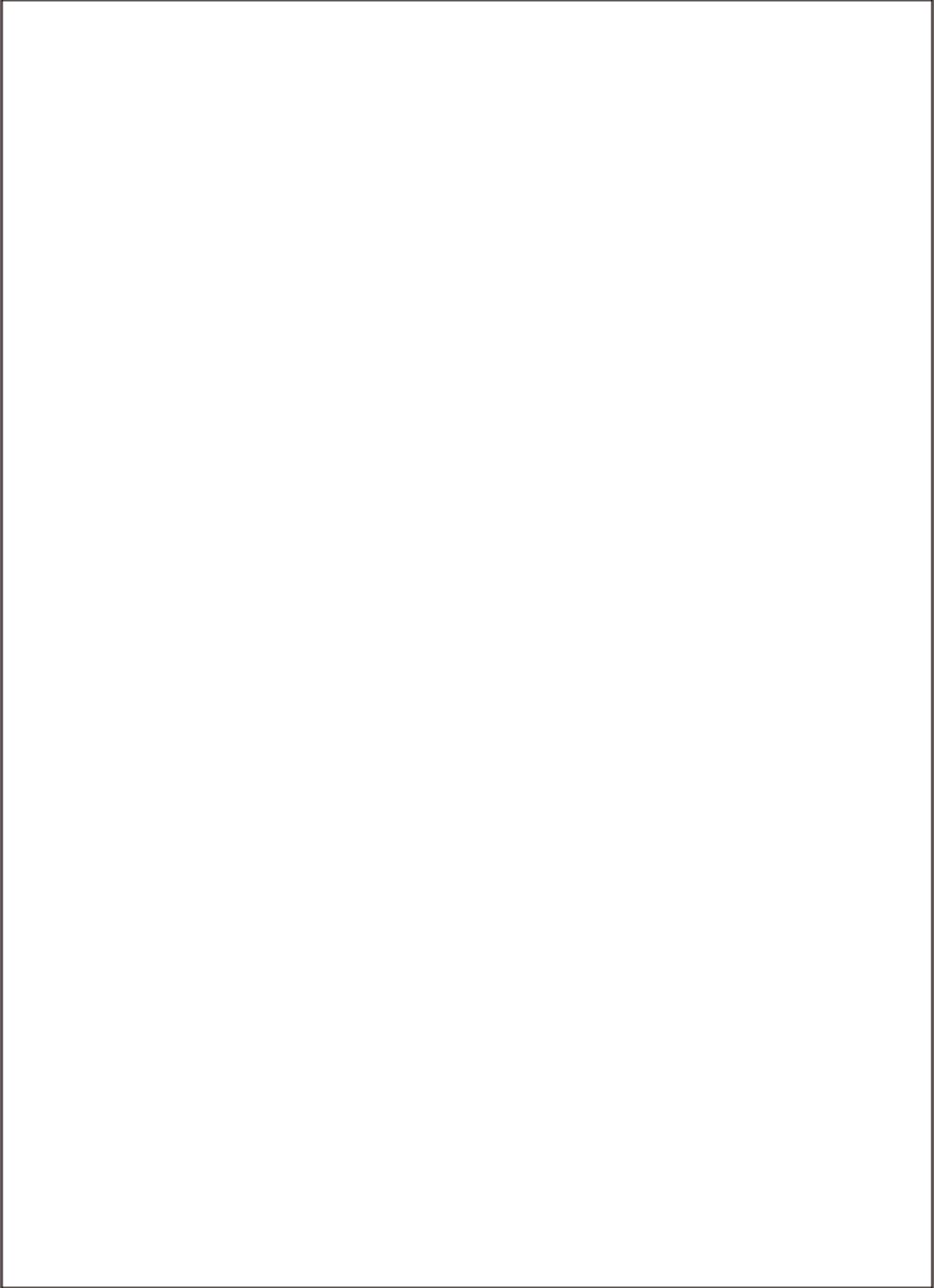




**Z-EDGE**



**X1 Action Camera**  
**USER GUIDE**



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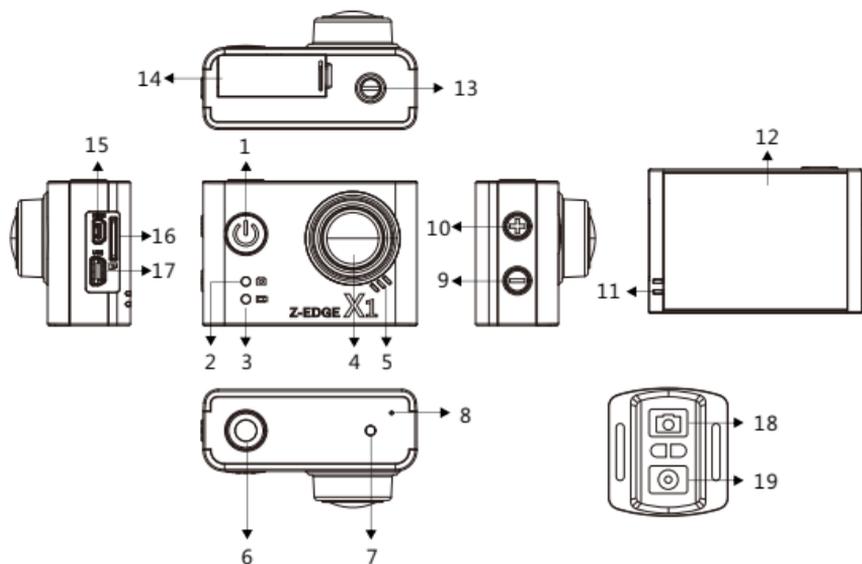
## INTRODUCTION

Thank you for purchasing the X1 High Definition Sports / Action Camera by Z-Edge®. A waterproof, 4K ready 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

- Records up to 60 minutes in 4K 30FPS or 120 Minutes in 1080P 30FPS with 16GB TF card.
- 2.0 inch LCD TFT display screen allows you to view HD recordings and images before downloading them.
- Wide 170-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 64GB.

## GETTING STARTED



### Camera Components

1	Power/Mode Switch Button	11	Status LED Indicator
2	Photo LED Indicator	12	Display Screen
3	Recording LED Indicator	13	Tripod Base Mount
4	Camera Lens	14	Battery Cover
5	Loudspeaker	15	HDMI Port
6	Shutter/Select Button	16	TF/MicroSD Card Slot
7	WiFi LED Indicator	17	Mini USB Port
8	MIC	18	Shutter Button
9	Down Button	19	Recording Button
10	WiFi Connect/Up Button		

## **Charging the Battery**

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

## **Power On**

Press and hold the (1) Power/Mode button for 3 seconds. The (11) Status LED Indicator lights will flash, 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 (11) Status LED Indicator lights will flash, the display screen will turn off and a descending sound indicator chord will be heard.

## **Storage**

The X1 Camera is compatible with TF/microSD cards memory cards up to 64GB 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 (16), 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 X1 Camera to a mobile device via WiFi using the 'Z-Verge' 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-Verge' app from your mobile device's app store.
2. Power on your X1 Camera. Press and hold the (10) WiFi Connect/Up button to enable WiFi on your camera. The red indicator light on top of the camera will flash red 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-Verge' app on your mobile device and select 'Connect.'
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:

	<b>Camera Modes</b>	<b>Default Settings</b>
	Video Recording	4K 30FPS
	Photo Capture	16M
	Slow Motion	1080P 60FPS
	Playback	-
	Settings	-
	Settings > Video	See 'Video Recording' mode
	Settings > Photo	See 'Photo Capture' mode
	Settings > All Modes	See 'All Modes & General'
	Settings > General	See 'All Modes & General'
	Settings > Exit	-

### **Shutter/Select Button (6)**

- **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 (10)**

- **WiFi Connect:** In Video Recording, Photo Capture or Slow Motion modes press and hold 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.
- **Zoom In:** In Video Recording, Photo Capture or Slow Motion modes short press button zoom in up to x4.0.
- **Fast Rewind:** In playback mode press and hold button to fast rewind video being played.

### **Down Button (9)**

- **Enable/Disable Sound Recording:** In Video Recording or Slow Motion modes press and hold 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.
- **Zoom Out:** In Video Recording, Photo Capture or Slow Motion modes short press button to zoom out.
- **Fast Forward:** In playback mode press and hold button to fast rewind video being played.

### **Remote Control**

- **Shutter button (18):** Short press button to take a photo. The X1 Camera will automatically switch from Video Recording or Slow Motion modes to Photo Capture mode.
- **Recording button (19):** Short press button to take a video recording. The X1 Camera will automatically switch from Photo Capture or Slow Motion modes to Video Recording mode. The X1 Camera can simultaneously record a video and take photos during that recording using the remote control shutter button.

## Indicator Lights Explained

Function	Indicator Light Position		
	Top: WiFi	Front: Photo/Rec	Back: Status
WiFi Connect	Flashing Red	-	-
Charging	-	Red & Blue On	Pink & Purple
<b>BATTERY POWER</b>			
Video Recording	-	Flashing Blue	Flashing Purple
Photo Capture	-	Red Off/On	Flashing Purple

## PERSONALIZED SETTINGS

### VIDEO RECORDING MODE

#### Video Resolution

Set the resolution of the X1 Camera as per the list below. All video is captured at an ultra wide 170-degree field of view which provides immersive video quality and best image stability.

Video Resolution	FPS	Screen Resolution
UHD 4K	30	3840x2160, 16:9
UHD 2.7K	30	2688x1520, 16:9
FHD 1080P	60	1920x1080, 16:9
FHD 1080P	30	1920x1080, 16:9
HD 720P	120	1280x720, 16:9
HD 720P	60	1280x720, 16:9
HD 720P	30	1280x720, 16:9

- Ultra HD 4K and 2.7K resolutions are the highest available producing stunning detail and video quality.
- Full HD 1080P is best for handheld shots of others and can be used for recording in slow motion and body or gear mounted shots.
- HD 720P is best for recording in slow motion and body or gear mounted shots.
- See Slow Motion for recording in higher frame rates.

Video resolution can be changed inside **Settings > Video Recording > Video Resolution**.

### **Slow Motion**

Slow-motion effects are created by recording more frames per second and then playing the same frames back at a slower rate. The higher the frame rate the more detail can be slowed down to show detailed moments that would otherwise appear as a blur. Set the resolution of the X1 Camera as per the list below:

<b>Video Resolution</b>	<b>FPS</b>	<b>Screen Resolution</b>
FHD 1080P	60	1920x1080, 16:9
HD 720P	120	1280x720, 16:9

Slow Motion can be set inside **Settings > Video Recording > Slow Motion**.

### **Time-lapse**

Time-lapse effects are perfect for shooting at much lower frame rates over long periods of time. The X1 Camera can capture images between 0.5 to 60 second 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 **Settings > Video Recording > Time-lapse**.

### **Sound Recording**

With Sound Recording enabled the device will record audio for the current video clip via the integrated microphone. Features enabled/disabled inside **Settings > Video Recording > Sound Recording**.

### **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 2,3 or 5 minutes. Video clip duration set inside **Settings > Video Recording > Loop Recording**.

### **Driving Mode**

The X1 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. Feature enabled/disabled inside **Settings > All Modes > Driving Mode**.

## **PHOTO CAPTURE MODE**

### **Photo Resolution**

Set the Photo Resolution of the X1 Camera inside **Settings > Photo Capture > Photo Resolution**.

### **Timer**

Delay the capture of a single photo by up to 20 seconds after pressing the Shutter button. Self-Timer can be set inside **Settings > Photo Capture > Self-Timer**.

### **Auto**

Capture photos at set intervals in a continuous loop using Auto-Shoot. Set the interval timer for capturing photos between 3, 10, 15, 20 and 30 seconds. The first photo will be captured the selected interval time after pressing the Shutter button in Photo Capture mode. An audible beep indicates each second passed between photos being captured. The X1 Camera will continue to take photos until the Shutter button is pressed again. Auto-Shoot intervals set inside **Settings > Photo Capture > Auto-Shoot**.

### **Photo Burst**

The X1 camera will capture several photos in quick succession in burst mode. Set between 3, 5 and 10 photos taken continuously after pressing the Shutter button in Photo Capture mode. Burst can be set inside **Settings > Photo Capture > Burst**.

## **ALL MODES & GENERAL**

### **Image Rotation**

If you mount your X1 Camera upside down, select Image Rotation to automatically flip the image vertically, saving you time editing video files later. Feature set inside **Settings > All Modes > Image Rotation**.

### **WiFi**

To enable a connection with your device select WiFi in the menu (alternatively simply hold and press the Up button on the camera). Enable WiFi inside **Settings > All Modes > WiFi**.

### **Auto Screensaver**

Automatically turn off the LCD display screen after 10, 20 or 30 seconds. Turn on the display screen again by pressing any button. Feature set inside **Settings > All Modes > Auto Screensaver**.

### **Auto Shutdown**

Automatically turn off the X1 Camera after 1, 3 or 5 minutes in standby mode (camera inactive, not recording or taking photos). Feature set inside **Settings > All Modes > Auto Shutdown**.

### **Language**

Change the language of the X1 Camera by using the Up and Down buttons to navigate options. Short press the Shutter/Select button to confirm device language. Feature set inside **Settings > General > Language**.

### **Date-Time**

Change the date and time of the X1 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 **Settings > General > Date-Time**.

## COMMON FUNCTIONS

### **Connecting to a Computer**

Connect the X1 Camera to a computer using the mini USB cable included. Power on the camera and select from the following options:

- **USB Mode:** 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 X1 Camera as an external computer webcam.
- **Charging Mode:** Solely for charging your camera.

### **File Management**

Recorded video and photo files are saved in the following date + time format:

- YYYYMMDD\_HHMMSS (year, month, day\_hour, minute, second)

Files are then classified and grouped into different folders:

- Video: All saved video files.
- Photo: All saved photo files.

### **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 64GB.

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

Please note "exFAT" formatted TF/MicroSD cards are not supported by this camera (commonly used for 64GB or larger memory cards). Please ensure your TF/MicroSD card is formatted to the supported "FAT32" format. To reformat a TF/MicroSD card simply enter it into the X1 Camera card slot and format by navigating to Settings > General > Format. Please ensure you save any important files stored on your memory card before formatting it.

## MOUNTING GUIDELINES

### Camera Housing

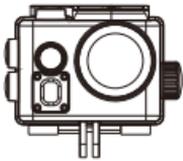
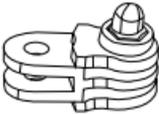
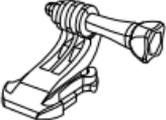
	The X1 Camera comes with a protective camera housing and two types of back windows:
	The standard back window makes the camera housing IP68 rated - dustproof, dirtproof, sandproof and waterproof up to 196 feet / 60 metres. Best for use in hazardous environments.
	The open window provides better sound quality and easier viewing during playback. It will not however protect against dust, sand, dirt or water. Best for use inside vehicles and other non-hazardous environments.

To swap a back window:

1. Swing open the back window so that it hangs downwards.
  2. Firmly pull the back window down until it snaps free from the main camera housing.
  3. Slide the pin out, and slide it into the two hinges of the replacement back window.
  4. Line up the replacement back window with the hinge opening of the camera housing.
  5. Push upwards on the replacement back window until it clicks into place.
- ① **WARNING:** Ensure to keep all rubber seals clean and free from hair, dirt and grains of sand that could cause leaks and damage to your camera and the battery. To clean the seals, remove the back window and rinse with non-salt water, shaking dry.

- ① In saltwater conditions clean the camera housing after every use to prevent salt buildup around the seals and corrosion of the hinge pin. Rinse thoroughly with non-salt water, shaking dry. Failure to do so could cause failure, leaks and damage to your camera and the battery.

### **Types of Mounts**

<p>Camera</p>	 <p>1x Camera Housing</p>		
<p>Joints</p>	 <p>1x Straight Joint</p>	 <p>2x 90-degree Joints (Long &amp; Short)</p>	 <p>1x 360-degree Joint</p>
<p>Mounts</p>	 <p>1x Handlebar Mount</p>	 <p>1x Helmet Mount</p>	 <p>1x Tripod Mount</p>
		 <p>2x Adhesive Mounts (Flat &amp; Curved)</p>	

**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.
- Loop the circular ring of the Tether over the thumbscrew of the camera housing and attach the other end to a secure anchor point. This will help prevent losing the camera if it accidentally releases. To avoid injury do not use tether if attaching camera to a helmet or other personal protective gear.

### **Mounting Accessories**

- 2x Velcro Straps
- 2x Buckle Straps
- 4x Cable Ties
- 1x Tether
- 2x Replacement Adhesive Pads
- 1x Waterproof Data Cable
- 1x Cleaning Cloth

## TECHNICAL SPECIFICATIONS

Product Dimension	2.4inch x 1.6inch x 1.32inch (60mmx41mmx33.5mm) (LxWxH)
Weight	About 0.14oz (65g)
Display Screen Dimension	2.0"HD screen(16:9)
Lens	170-DEGREE, 6G A+ HD fish-eye lens
Video Resolution	4K 30FPS (3840x2160 30FPS) 2.7K 30FPS (2688x1520,30FPS) 1080P 60FPS (1920x1080P 60FPS) 1080P 30FPS (1920x1080P 30FPS) 720P 120FPS (1280x720,120FPS) 720P 60FPS (1280x720,60FPS) 720P 30FPS (1280x720,30FPS)
Video Format	MP4
Still Picture/Photo Resolution	2M 1600x1200 5M 2592x1936 8M 3264x2448 12M 4000x3000 16M 4608x3456
Still Picture/Photo Format	JPEG
External Storage Card Type	TF/Micro SD
External Storage Support	Up to 64GB
Microphone/Loudspeaker	Built-in
Light Frequency	50Hz/60Hz
USB Port	MiniUSB
HDMI	Support
External Power Supply	DC5V 1A
Battery	1000mAH internal Li-ion battery
Computer System Requirement	PC: Windows XP and above MAC: OS X and above
Language Selection	Simplified Chinese, Traditional Chinese, English, Russian, Japanese, Korean, Russian, French, Italian, Spanish, Polish, Dutch, Portuguese, Thai, bahasa, Arabic

**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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