

X500

Complete User Guide

Visit kaiserbaas.com for more information

SAFETY PRECAUTIONS

01 - ENG

Before using your Kaiser Baas X500 Action Camera please ensure you read and understand the following product and safety precautions.

- DO NOT use the camera in water without the waterproof case.
- Always check the waterproof case seal is clean and free of debris prior to use in water.
- DO NOT attempt to open the camera or modify it in any way. If the camera has been opened the warranty will be void. Maintenance and repairs should only be performed by Kaiser Baas.
- DO NOT handle or charge the camera without its waterproof case using wet hands. Failure to observe this may result in damage to camera and persons.
- ONLY recharge the camera battery using the supplied USB cable.
- If using a wall charger, ensure that it is a certified product for your region. AC Input: 100-240VAC 50/60Hz. DC Output: 5V 1A.

Only use a USB wall charger with suitable approval and certification. Do not charge in conditions outside of the 10°C - 45°C range. If you do not know the voltage and current of your charger, use the included cable to charge from your computer.

- The camera should not be used in heat exceeding 55°C (131°F).
- DO NOT drop, crush, pierce, bend, deform, microwave, incinerate or shoot the camera.

PRODUCT DIAGRAM

01 - ENG

1. Power / Record / OK

POWER: HOLD 2 SECONDS
RECORD: CLICK 1 SECOND
OK: CLICK 1 SECOND

2. Menu / Mode / Scroll

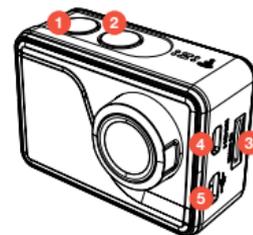
POWER: HOLD 2 SECONDS
RECORD: CLICK 1 SECOND
OK: CLICK 1 SECOND

3. Micro SD Port

CONNECT TO YOUR PHONE

4. Micro HDMI

CONNECT TO YOUR SCREEN



5. Mini USB

CHARGING AND
DATA TRANSFER

6. Battery

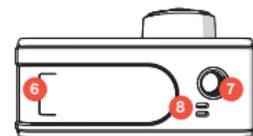
QUICK RELEASE DOOR
TO ACCESS BATTERY

7. Tripod Thread

ATTACH TO TRIPOD &
OTHER ACCESSORIES

8. Microphone

ATTACH TO TRIPOD &
OTHER ACCESSORIES



9. LENS

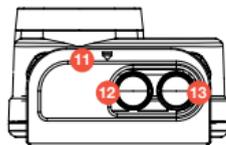
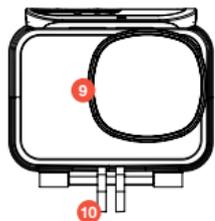
KEEP CLEAN FOR
CLEAR FOOTAGE

10. Mount Attachment

ATTACH TO TRIPOD

11. Case Latch

PULL TO OPEN
WATERPROOF CASING

**12. Power / Record / OK**

POWER: HOLD 2 SECONDS
RECORD: CLICK 1 SECOND
OK: CLICK 1 SECOND

13. Menu / Mode / Scroll

POWER: HOLD 2 SECONDS
RECORD: CLICK 1 SECOND
OK: CLICK 1 SECOND

Welcome to your new Kaiser Baas X500 Action Camera. Before you get shooting, please review the user guide carefully to ensure you get the maximum performance out of your camera.

Battery Charging

We recommend that you fully charge your camera before use. A full charge is approximately 2.5 hours using a 5V 0.5/1A Charger.

MicroSD Card Compatibility

Your camera requires a MicroSD Card (not included). Kaiser Baas recommends the use of a brand name Class UHS-1 or higher MicroSD Card. Any content recording higher than 1080P@60FPS will require a Class UHS-1 or higher card.

There is only one correct way to insert the MicroSD card. Do not force the card into the slot as it may damage the camera and card.

The maximum card size is 64GB.

The list of recommended MicroSD cards can be found at: www.kaiserbaas.com/support

Format Card

Before you start recording for the first time, we recommend you format the MicroSD card.

The format option is found in the Settings Menu.

For information on how to navigate the menu please see the Menu Navigation section.

Note: Formatting the card will permanently erase all data on the card. Be sure to backup any content prior to formatting.

Firmware Update

Please check the www.kaiserbaas.com/support page for the latest firmware on your camera. The current firmware version can be found on the last settings page.

Power ON / OFF

To power ON your camera

1. Insert the battery into the camera.
2. Hold the power/toggle button for 2 seconds until you see the Kaiser Baas logo appear.

Navigation

Navigate the menus and camera modes using the 2 buttons found on your camera or by using the touchscreen.

The front Menu/Toggle button cycles through the cameras modes and settings. It can also be used to go back/cancel any menu item.

The top Record/OK button will start/stop recording video, capture photos and confirm/select menu items.

The arrows on the LCD screen allow for quick access to menus. Touch the arrows on the left to open the Photo Scene Mode menu. The

arrows on the right open the Settings Menu. The arrows on the bottom of the screen open WiFi, Sound and Stabilisation shortcuts.

Select from these menus using the touchscreen or with the buttons.

Modes

The X500 features 2 key modes; Video Mode and Photo Mode.

Video Mode

The default mode is Video Mode.

Click the Record button to start recording.

There is 1 Indicator light on the back of the X500 Camera. Refer to the Camera Diagram for exact placement. When recording, the status LED will flash continuously.

Video Settings

Video Resolution: Your action camera can be set to support an array of resolutions and frame rates.

The higher the resolution the greater the detail and clarity of footage. Higher frames-per-second (FPS) capture more motion and appear smoother on playback.

Resolution	FPS
4K 3840x2160	60
4K 3840x2160	30
2.7K 2720x1520	30
FHD 1920x1080	60/30
HD 1280x720	120/60/30

Note: Higher resolutions will become inactive if the memory card is not Class 10 or higher.

Tip: Recording in higher resolutions/fps also impacts battery life. Refer to the battery guide for more tips on battery management.

Image Stabilisation

This reduces shakiness and blur when shooting video. When the mode is enabled an Anti-Shake icon will appear in the video capture screen.

Loop Recording

This allows you to record continuously using footage intervals of 2/3/5 minutes. The camera will delete the oldest loop recording file and replace with the latest recording when the MicroSD is full.

Wind Noise Reduction

Enable this mode to reduce the amount of noise from wind picked up by the camera's microphone.

Scene Mode

These are pre-set exposure modes that help inexperienced photographers achieve the

proper automatic settings for a photo.

Date Stamp

Toggle Date Stamp On/Off. Choose whether to display Date or Date & Time.

Video Time Lapse

Time-lapse is a creative technique that records footage at a very low frame rate. Playing it back at a higher frame rate shows a rapid change over time. This technique is most effective when recording scenes or objects which have a slow state of change, e.g. a sunset or a flower blossoming.

This option captures video at specified intervals without audio ready for playback and sharing.

Time lapse can be set to the following intervals 1/3/5/10/30/60 seconds.

The following chart is useful for determining the amount of time required for 1min of footage at 30FPS:

Interval	Recording Time
0.5	15 mins
1	30 mins
3	1 hour
5	2.5 hours
10	5 hours
30	15 hours
60	30 hours

Note: Time lapse mode must be turned off in order to record normal or Slow-motion videos.

Max Time Lapse

Set the limit for time lapse recording. Video will automatically stop after 5/10/15/20/30/60 minutes.

Note: Time lapse intervals when using Max Time Lapse setting are dependant on the interval chosen in Video Time lapse setting.

Slow Motion Movie

Select this mode to shoot slow motion videos at 720P 120FPS.

Slow Motion Movie mode and the 720P 120FPS resolution will not be available if Image Stabilisation is active.

To enter Photo Mode, click the Menu/Toggle button once on the top of the camera, or touch the arrows on the right of the LCD screen and touch the Photo icon from the menu.

Click the Record/Confirm button to take a photo.

When capturing a photo, the blue status LED will flash.

Photo Settings

Image Resolution

Resolution refers to the number of pixels in an image. Resolution is sometimes identified by the width and height of the image as well as the total number of pixels in the image.

See the table for the X500 image resolution options.

MP	Resolution
20	5120x3840
16	4640x3480
14	4320x3240
10	4320x2430
8	3840x2160
5	2592x1944
2	1920x1080

Photo Time Lapse

Time lapse Photo mode allows you to shoot a continuous sequence of photos. This mode is activated by clicking the Record/Confirm button and will shoot automatically until stopped by pressing the Record/Confirm button again.

Shoot in this mode with the following intervals 0.5/1/3/5/10/30/60 seconds.

Max Time Lapse

Set the limit for time lapse recording. Video will automatically stop after 5/10/15/20/30/60 minutes.

Note: Time lapse intervals when using Max Time Lapse setting dependant on the interval chosen in Photo Time lapse setting.

Burst Mode

This setting lets you capture photos in a rapid fast firing sequence.

You can set the following intervals 3/1, 7/2, 15/4, 30/8 P/S (photos/second).

Note: Shooting in higher intervals requires some time to save the images to the memory card. The screen will be blacked out whilst shooting and saving.

Self Timer

When this mode is enabled, it lets you set the delay for when a single photo is taken after clicking the Record/Confirm button.

3/5/10 second intervals are available.

Date Stamp

Toggle Date Stamp ON / OFF. Choose whether to display Date or Date & Time.

Scene Mode

These are pre-set exposure modes that help inexperienced photographers achieve the proper automatic settings for a photo.

You can easily switch between modes for the best picture under most circumstances.

Picture Quality

Set up your camera to shoot the best image quality.

Metering Mode

There are each method estimates the exposure of the scene by calculating light in different ways.

Centre, Average, Spot.

Filter

Select to apply effects to images you capture.

Available effects are:

Black & White / Sepia / Vivid / Natural
/ Negative / Warm / Cold / Red / Green / Blue

White Balance

Manually control the white balance. Camera is set to Auto by default.

Options include Auto, Daylight, Shade, Tungsten Light, White Fluorescent.

EV

Manually control the exposure/amount of light the camera records.

Intervals: -2 / -1 / +0.0 / +1.0 / +2.0

ISO

Manually control the ISO level the camera captures footage at. The default option is Auto. Note that the higher the ISO number the more noise/grain will appear in your footage.

Interval options

Auto / 50 / 100 / 200 / 400 / 800 / 1600

Control

Adjust microphone, speaker and brightness levels.

Sounds

Control / Toggle sounds produced by the X500 ON / OFF. Shutter, Boot-up and Beep can be toggled.

LDC

Lens Distortion Correction. Allows you to toggle Distortion Correction ON / OFF.

FOV

Adjust the X500's field of view. Select Super Wide/Wide/Medium/Narrow field of view.

Power Frequency

Default setting is 50hz. However, if you experience any light strobing in your footage you may manually select 50/60hz.

WiFi

Toggle WiFi ON / OFF.

Date & Time

Set the correct date and time.

Screensaver

This setting lets you conserve power while shooting. Toggle if/how long until the screensaver comes on.

Select 1/3/5 minutes.

Auto Power Off

This will power the camera off after a selected period of inactivity.

Select 1/3/5 minutes.

Quick Record

Quick Record enables the ability to record automatically when the camera is turned on.

USB Mode

You can choose between MSDC or Webcam mode. In MSDC mode, you can access the files on the SD card.

You can use X500 as a webcam as well. Please note that the application you use on your computer has to be compatible to this mode.

Reset WiFi Settings

This will allow you to reset your Wi-Fi settings to default. Use this option if you have any issues connecting with smartphone.

Language

Select your desired language here.

English

French

German

Spanish

Italian

Chinese

Traditional Chinese

Simplified Chinese

Format Card

This option will format the MicroSD card. Recommended prior to using any MicroSD that has been used in other devices.

Note: Formatting the card will permanently erase all data on the card. Be sure to backup any content prior to formatting.

System

Allows you to reset the camera's settings to factory default, check the current installed firmware version and monitor the capacity and free space on the inserted Micro SD card.

1. Download the KB X500 App from the Apple™ App Store™ or Google Play™ Store. (Visit www.kaiserbaas.com/support for a direct link)

2. Switch on the WiFi from the Settings Menu.

3. Connect to the WiFi through your WiFi settings page on your smartphone.

- WiFi ID: KB-X500
- WiFi Password: 1234567890
- Launch the KB X500 App and click connect.

5. You are now ready to use the App. Check the KB website for new features and updates to the App.

Playback

You can playback your footage on a PC or Apple™ Mac computer/laptop.

Using the supplied USB cable, connect it to your computer. Choose the MSDC option when prompted on the camera. The camera will now appear as an external device. You may also use a MicroSD Card reader to view and playback files directly without the camera.

HDTV Playback

To playback on a HDTV you will need a Micro HDMI – HDMI Cable.

When connected, the HDTV will switch the Camera LCD screen OFF and mirror the camera screen instead.

The camera will only output up to 1920x1080i @ 60fps via the Micro HDMI port.

Only use Kaiser Baas official batteries with this product. To charge the camera:

1. Insert the battery into the camera
2. Connect the USB Charging Cable to the Mini USB port located on the camera.
3. Connect the USB Charging Cable to a computer or wall charger.

Warning: If using a wall charger, ensure that it is a certified product for your region. AC Input: 100-240VAC 50/60Hz. DC Output: 5VDC 0.5A/1A. Only use a USB charger with suitable approval and certification. If you do not know the output voltage/current of the charger use a computer to charge the battery. Do not charge in conditions outside of the 10°C-45°C range.

4. The camera status LED will be RED whilst charging. Once charging is complete the status LED light will switch OFF.

5. A full charge cycle will take approximately 2.5 hours by 0.5A/1A charger.

Battery Tips

To maximise battery life:

- Turn off WiFi.
- Turn on the Screen Off function.
- Capture at a lower Video Resolution and frame rate. Higher resolutions and frame rates impact battery performance.
- Avoid exposing the camera and battery to very cold or hot temperatures. Cold or hot temperatures may temporarily affect the battery life and cause the camera to stop working.
- Only ever charge the camera with a compliant wall charger marked 5V/1A

Adhere to these guidelines to ensure maximum performance and longevity.

- Never use the camera in water without the waterproof case. The camera is not waterproof without the case.
- If camera has been used in salt water ALWAYS rinse the waterproof case in fresh water to prevent corrosion.
- Regularly check the seals for debris or dust on the door of the waterproof case to prevent water, sand and dirt ingress.
- Never handle the camera, battery or MicroSD Card with wet hands or in wet conditions.
- Clean the camera lens and waterproof case lens with a soft micro fibre towel to reduce any blurry footage due to grease/ fingerprints.

What is the WiFi Password?

The default password is: 1234567890

My camera has frozen?

Try to restart the camera by holding the power button or removing and reinserting the battery.

It won't read my MicroSD Card

Make sure the MicroSD has been formatted. If you are still having trouble, please visit kaiserbaas.com/support for a guide on MicroSD compatibility.

What is the maximum size MicroSD Card I can use?

The camera supports up to 64gb MicroSD cards.

My footage files are split up?

The file system the camera uses is FAT32 and the maximum file size is 4GB. Your camera will split files into 4GB parts. The video length of each file will be determined by the resolution and fps you have set. Lower resolutions will result in longer files.

How do I know when the camera is charged?

When connected and powered OFF the camera status LED will be RED.

What is the WiFi Range?

The connection will work reliably up to 10m.

The camera won't connect over WiFi

Areas with a large number of WiFi networks may cause interference/connection problems when trying to use the camera with WiFi. We suggest moving away from any areas of concentrated WiFi networks and trying again.

The audio/mic is too low/muffled

When using the camera in the waterproof case, audio performance will be significantly impacted. Try using the camera without the case for best audio performance.

Choppy Playback

Choppy or slow playback is usually not a problem with the file. Check the following common solutions:

Your computer may not support the minimum requirements for HD playback. Try recording at a lower resolution and checking playback.

Video footage is recorded using the h.264 codec, your video player may not support this format. Please use a video player that supports h.264 playback. Visit kaiserbaas.com/support for further information on compatible video players.

Support

Having trouble with your camera?

Don't worry, our friendly support team can help.

Please visit us at: www.kaiserbaas.com/support
or send us an email at: helpdesk@kaiserbaas.com

Regulatory Information

To see the complete list of country compliance and certification, please visit kaiserbaas.com/support

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