X300

Complete User Guide

CONTENTS

Before using your KB 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.

1. WIFI

ENABLE / DISABLE WIFI

2. Micro SD Port

CONNECT TO YOUR PHONE

3. Micro USB

CHARGING AND
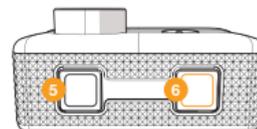DATA TRANSFER

4. Micro HDMI

CONNECT TO YOUR SCREEN

5. Power / Mode

POWER: HOLD 2 SECONDS
MODE: CLICK 1 SECOND

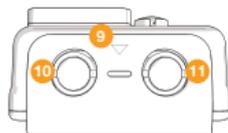**6. Record / OK**

START / STOP RECORD

7. WIFI

ENABLE / DISABLE

8. Mount Attachement

ATTACH TO TRIPOD

9.Case Latch

PULL TO OPEN
WATERPROOF CASING

10. Power / Mode

POWER: HOLD 2 SECONDS
MODE: CLICK 1 SECOND

11. Record / OK

START / STOP RECORD

Welcome to your new KB 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.

The charging indicator LED light on the top of the camera will be RED when charging and will be OFF when charged. For further information about the battery, see the battery guidelines.

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 Navigation Guide.

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/Mode 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.

The Power/Mode button cycles through the cameras modes and settings. Click the power button consecutively until the desired mode/page appears.

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

When you are in the Settings Mode, hold the record button to switch between each Setting category.

Modes

The X300 features 2 key modes; Video Mode and Photo Mode.

The following guides will help you understand each mode.

Video Mode

The default mode is Video Mode.

Click the Record button to start recording.

There are 2 Indicator lights on the top of the X300 Camera. One light will indicate charging with a red LED and the other is a status LED: blue when powered on and will flash when recording. Refer to the Camera Diagram for exact placement.

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 3840x2160p (Interpolated)	30
2.5K 2688x1520	30
1920x1080	60/30
1280x720	120/60

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.

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 1/5/10/30/60 seconds.

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

Interval	Recording Time
1	30 mins
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.

Slow Motion

Normal footage being played at a slower speed. Slow motion only works with the minimum frame rate of 60 fps to be able to produce smooth footage. 1080x1920P 60FPS or 1280x720P 120FPS resolution must be selected from Video Resolution before turning the Slow-motion mode on. This mode will not be active on any other video resolutions.

Image Stabilisation

This reduces shakiness and blur when shooting video.

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.

Motion Detection

When selected, this mode will automatically start recording when the X300 detects motion in its field of view.

Microphone

You can turn the microphone off if you do not wish to record sound on videos. Microphone is set to on by default.

To enter Photo Mode, click the Power/Mode button once on the top of the camera.

Click the Record/Confirm button to take a photo.

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 X300 image resolution options.

MP	Resolution
12	4320 x 3240
10	3648 x 2736
8	3264 x 2448
5	2592 x 1944
3	2048 x 1536
2	1600 x 1200

Time lapse Photo

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 3/5/10/30/60 seconds.

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.

3/5/10/20 second intervals are available.

Burst Photo

Photo burst lets you capture photos in a rapid fast firing sequence.

You can select to take either 3 or 5 photos per burst.

Toggle the menu beep noise on/off.

White Balance

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

Options include Auto, Daylight, Cloudy, Fluorescent, Fluorescent 1, Fluorescent 2 and Incandescent.

EV

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

Select EV level on the slider using the two buttons.

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/100/200/400/800/1600/3200.

Effects

Select to apply effects to images you capture.

Available effects are Sepia/Black & White/ Negative.

Contrast

Adjust the contrast level using the buttons on top.

Saturation

Adjust the saturation using the buttons on top.

Sharpness

Adjust the sharpness using the buttons on top.

Select your desired language here.

Frequency

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

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Inverse Mode

Select to invert the X300 menus. Useful for mounting the camera in hard to reach places.

Screensaver

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

The LCD display will go black but recording will continue.

Car Mode

Car Mode lets you use the X300 camera like a Dash Camera and record in Loop Mode.

When enabled the X300 will begin recording the moment a power input/source has been detected.

When the power source has been shut off/ disconnected the camera will record for an interval (see delay section) and then power off.

Auto Power Off

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

Intervals of 1/5 minutes.

Date & Time

Set the date format. Default is Y/M/D

Date Format

Set the format to display the date.

Options for date format are YYYY/MM/DD, MM/DD/YYYY, DD/MM/YYYY.

Date Stamp

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

WiFi

Toggle WiFi on/off.

Format SD 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.

Reset

This setting will restore all settings to factory default.

FW Version

Displays the current firmware version installed on the X300.

1. Download the KB X300 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-X300
- WiFi Password: 1234567890
- Launch the KB X300 App and click connect.

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

PC/Mac 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 KB official batteries with this product. Never use any third party or unknown accessories or batteries.

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.

The camera 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?

The red LED charging indicator on the camera will go off when the battery is fully charged.

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