X220

Complete User Guide

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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. Record / OK

START / STOP RECORD

2. Micro USB

CHARGING AND DATA TRANSFER

3. Micro SD Port

INSERT SD CARD

4. Micro HDMI

CONNECT TO YOUR SCREEN

5. Scroll Up / Wi-Fi

NAVIGATE THROUGH THE CAMERA OPTIONS

6. Scroll Down

NAVIGATE THROUGH THE CAMERA OPTIONS

7. ON / OFF Mode

TURN THE CAMERA ON / OFF

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 at the back 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 10 or higher MicroSD 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 32gb. 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 the Kaiser Baas logo appears.

Navigation

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

Scroll through the menus using the up/ down buttons at the side of the camera.

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

To exit the menu, press the Power/Mode button.

Connect to the Kaiser Baas X220 App to get started and access the full user guide

First, activate the Wi-Fi via the settings on the camera.

Next, open your Wi-Fi network settings on your phone and select the network named KB XXXXX.

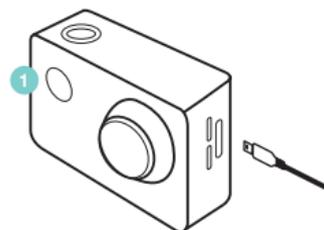Enter the password 1234567890. Open the App and click connect.

@kaiserbaas

Join the Social Media Movement

Available on the
App Store

GET IT ON
Google Play

You can display the camera LCD screen on a TV Screen.

1
Turn the camera on.

2
Connect the Micro HDMI end to the port on the camera and HDMI end to HDMI port on the TV.

3
Select the right source on the TV.

Note: You will need a Micro HDMI to HDMI cable

The X220 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.

The blue LED light at the back of the X220 Camera will start flashing when recording.

Photo Mode

To enter Photo Mode, click the Power/ Mode button once when you are on the Video Mode.

Click the Record/Confirm button to take a photo.

To access the Setup, press the Power/ Mode button 3 times when you are on the video mode.

Use the Up/Down button at the side to scroll through and Record button to confirm.

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.

Resolution	FPS
1920 x 1080	30
1280 x 720	30
640 x 480	30

Exposure

Manually control the exposure/amount of light the camera records. Select EV level using the up/down button at the side.

Motion Detection

Triggers recording automatically when motion is detected.

Loop Record

This allows you to record continuously using footage intervals of 1/2/3/5/10 minutes. When the loop recording is ON, the camera will delete the oldest loop recording file and replace with the latest recording when the MicroSD is full.

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

WDR

Wide Dynamic Range (WDR) feature for photos improves the overall exposure throughout your entire image. It enables the camera to pick up greater detail in dark shadows.

Microphone

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

Date Stamp

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

Image Size

This 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 X220 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

Quality

This determines the quality of the image.

Auto Capture

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.

Sharpness

Select the sharpness level using the buttons at the side.

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.

Anti-Shaking

This reduces shakiness and blur when shooting video.

White Balance

Manually control the white balance. Camera is set to Auto by default. Options include Auto, Daylight, Cloudy, Tungsten, Fluorescent.

Frequency

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

OSD Mode

This will show/hide the On-Screen Display.

Screen Saver

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.

Rotate

Select to invert the recording. Useful for mounting the camera in hard to reach place.

Auto Power Off

This will power the camera off after a selected period of inactivity. Intervals of 3/5/10 minutes.

Language

Select your desired language here.

Beep Sound

Toggle the menu click noise on/off.

Date/Time

To set the date & time. Use the Up/Down
button to adjust the values and press the
Record button to jump to next character.

Car Mode

Car Mode lets you use the X220 camera
like a Dash Camera and record in Loop
Mode. When enabled the X220 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.

Delete

To delete a single file or all files.

Format

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.*

Default Setting

This setting will restore all settings to
factory default.

Version

Displays the current firmware version
installed on the X220.

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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