KAISER BAAS

X150 | WiFi Pro-Action Camera

USER GUIDE

/**kaiserbaas**

Share your footage with us on our social media

Register this product for 12 month warranty
and updates. **www.kaiserbaas.com/updates**

Need help? **www.kaiserbaas.com/support**

For the full Kaiser Baas accesories range visit

www.kaiserbaas.com

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EN

Safety Precautions

Before using the X150 Camera please ensure you read and understand the safety precautions.

- Do not attempt to open the case of the X150 or modify it in any way. If the X150 has been opened the warranty will be void. Maintenance and repairs should only be performed by Kaiser Baas.

- Keep the X150 away from water and other liquids (unless housed in the waterproof case). Do not handle the X150 with wet hands (unless used in the waterproof case). This may cause the X150 to malfunction.

- Recharge the battery using the Micro USB Cable (5V). Any variation to voltage can cause the X150 to fail.

- The X150 should not be used in heat exceeding 55°C (131°F).

- DO NOT drop the X150.

- Avoid placing heavy objects on the X150.

- Do not dispose of this unit in domestic waste.

- If you have any questions please contact us at www.kaiserbaas.com/support.
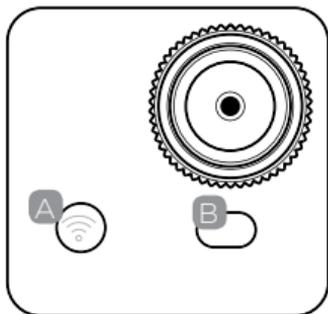
What's in the Box

Please ensure the product package has the following contents:

A X150 Camera

B Waterproof Case

C Micro USB Cable

D Screw Bolt

E Wrist Remote

F 2 x 3M Adhesive Pads

G Quick Release Mount

H Flat & Curved Base
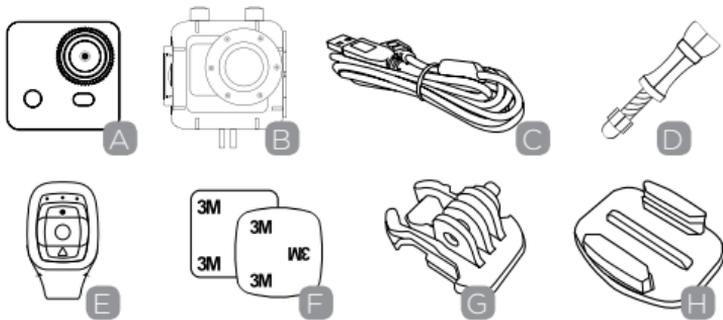
Product Diagram

A WiFi Activation Button

B LED POWER Indicator

C LCD Screen

Front
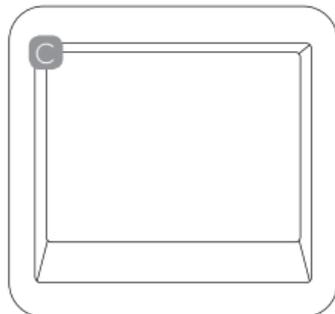
Back

D SHOOT(menu select)

E Microphone

F POWER (and menu)

G Micro USB Interface

H Micro SD Card Port

I Mini HDMI Interface

J Battery
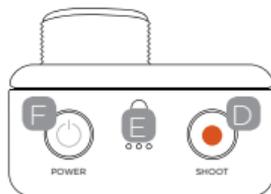
Top

Left Side
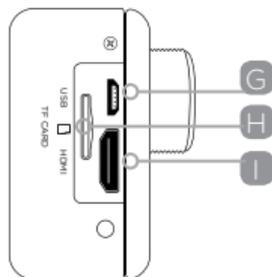
Right Side

Wrist Remote Diagram

NOTE: The Wrist Remote cannot turn the X150 on. Please ensure the remote is paired with the X150 before use. Please see instruction *Using the Wrist Remote*

A LED Indicators

B SHOOT Photo

C RECORD Video

D POWER Off - HOLD for 5 seconds

E Micro USB Charging Port On the Back of Remote
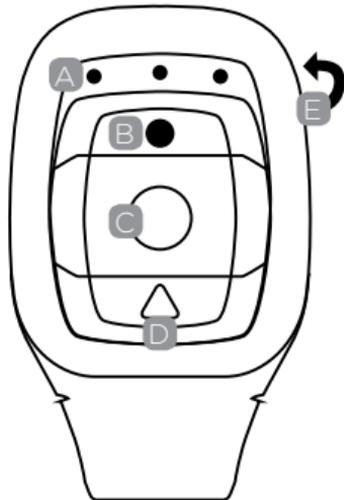
Set Up Your X150 Camera

Turn the X150 on – press and HOLD the POWER button for a few seconds.

When the X150 is on the Kaiser Baas logo will appear on the screen and the Red LED lights will glow. The X150 is now in Video Mode.

Insert a Micro SD Card (A Class-6 or Class-10 Micro SD Card up to 32GB is recommended)

Logo on screen   Red LED Light

Red LED Light

Red LED light

Installing the X150 into the Waterproof Case

The X150 is designed to be used in the waterproof case.

TIPS:

- Ensure the case is dry and clean

- Insert the X150, ensuring the lens fits neatly into the lens cavity. Close the security latch.

- The X150 can be mounted using the accessories provided or using the other options at: www.kaiserbaas.com

  NOTE: Audio recordings will be dampened by using the waterproof case. For full audio recording, please use a skeleton or exoshell case

Using Your X150 Camera

Preparation

Charging the battery

Before using the X150 for the first time you
should fully charge the battery.

Procedure:

Connect the X150 to a computer (or other USB POWER
source) using the USB cable provided, to charge.

If the X150 is on when charging, 3 red lights will blink until
the battery is fully charged. Only one red light will blink
if the X150 is off when charging.

A completely flat battery will take about 5 hours to fully
charge. The red light (below mini HDMI port) will turn off
when the battery is fully charged.

Insert the Micro SD Card*

- It is recommended to use Class-6 or Class-10 Micro SD card to film smooth video files. Higher resolutions will not work with SD cards lower than a Class-6.

- There is only one correct way to insert the Micro SD card into the slot. Do not force the card into the card slot, as it may damage both the X150 and the card.

- It is recommended to format new cards or cards that have been previously used in other devices. To format the Micro SD card:
  1. Enter the General Settings menu by pressing the POWER button.

  2. Press and HOLD the SHOOT button for 3 seconds to enter the General Settings.

  3. Use the WiFi button on the front of the X150 to navigate down the menu. The Format card option is on the thirdpage of the General Settings.

  NOTE: Formatting the card will permanently delete contents of the card. Be sure to save any important files.
  * Micro SD cards are also called TF cards.

Buttons and Navigation

POWER Button		
In Video Mode	PRESS HOLD	- Video Mode Settings - Off
In Picture Mode	PRESS HOLD	- Picture Mode Settings - Off
Menus	PRESS HOLD	- Back - Off

SHOOT Button		
In Video Mode	PRESS 1st HOLD 2nd HOLD	- Start/Stop recording - Swap to Slo-mo Mode - Swap to Picture Mode
In Picture Mode	PRESS HOLD	- Capture Image - Swap to Playback Mode
In Playback Mode	PRESS HOLD	- Enter - Swap to Video Mode
Menus	PRESS HOLD	- Enter - Swap to General Settings

WiFi Button	
In Video/Picture Mode	PRESS - Turn WiFi on/off
Menus	PRESS - Scroll

Video Mode

Video Mode Screen

Once the X150 is turned on, Video Mode is selected by default. Press the SHOOT button to start recording. When the recording starts, you will see all three red lights on the X150 start flashing. To end recording, press the SHOOT button again.

NOTE : 2.7K resolution is not recomended for capturing footage that involves quick movements.

KB TIP: For footage with quick movements, we recommend using the lower 1080p 60fps or 720p 120fps instead of 2.7K.

Video Settings

To enter the Settings menu, press the POWER button (press and release immediately – if it is held too long the X150 will switch off).

NOTE: The Setup menu accessed will depend on the current mode of the X150. If the "Video Mode " is active, it will display video capture settings or if the "Picture Mode" is active, it will display the Image capture settings. By default, Video Mode is the active mode when you turn the device on.

Resolution	
Video Looping	OFF
White Balance	
Microphone	ON
Date Stamp	
POWER Back	SHOOT Enter

Video Settings Screen (Page 1)

This allows user to adjust video quality settings:

Navigation: WiFi button   - Scroll
               SHOOT button   - Enter
               POWER button - Back

Resolution

This allows you to set the video recording resolution:

- 2.7K 15fps*
- 1440P 30fps
- 1080P 60fps
- 1080P 30fps
- 720P 120fps
- 720P 60fps

NOTE: High resolutions become inactive if the Micro SD card is incompatible. Class-6 or Class-10 Micro SD cards up to 32GB are recommended.

*2.7K resolution is not recommended for capturing footage that involves quick movements.

Video Looping

This allows you to set the recording mode:

OFF – In this mode the X150 will generate a new file every 30 minutes. These files will be saved into the Video Folder.

NOTE: When the SD card is full, the X150 will stop recording if Video Looping is OFF. If the Loop mode is ON, the X150 will continue recording over the previous files when the SD card is full.

- 2 Min – In this mode, the X150 will generate a new file every 2 minutes.

- 5 Min - In this mode, the X150 will generate a new file every

- 10 Min - In this mode, the X150 will generate a new file every 10 minutes.

White Balance

The default setting is Auto. If you switch Auto OFF, remember to adjust when lighting conditions change.

The following pre-set modes are also available:

Daylight, Cloudy, Tungsten, Fluor (fluoroscent).

Microphone

SELECT ON to record audio, SELECT OFF for video only.

Date Stamp

- Off: Turn off the date stamp display on footage.

- Date: Display date on footage.

- Date & Time: Display date & time on footage. NOTE: This feature is not available when the resolution is set to 2.7K.

General Settings

General Settings Screen (Page 1)

This allows you to adjust the general device settings for the X150.

To access the General Settings, press the POWER button to access the Video or Picture Settings, then HOLD the SHOOT button to swap to the General Settings.

Navigation:
WiFi button	-	Scroll
SHOOT button	-	Enter
POWER button	-	Back

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.

NOTE: This feature is inactive when the resolution is set to 2.7K.

KB TIP: You can also set the Time-lapse feature just to capture Photos to save as a sequence of image files. To activate the Time-lapse for image capture, press and HOLD the SHOOT button when the Time-lapse is ON. This feature can also be accessed from Picture Settings.

Available time intervals:

- Off – Disable Time-lapse
- 3 Sec - Cap tures frame every 3 seconds
- 5 Sec - Captures frame every 5 seconds
- 10 Sec – Captures frame every 10 seconds
- 20 Sec- Captures frame every 20 seconds
- 30 Sec- Captures frame every 30 seconds
- 60 Sec- Captures frame every 60 seconds

To turn off the Time-lapse mode, go to the Setup menu, HOLD the SHOOT button to the enter General Settings page > Time-lapse and turn it OFF.

Auto LCD Off

This will set the LCD screen to turn off after 1 minute, 3 minutes or 5 minutes. Press any key to turn the screen on. Select OFF to keep the LCD running continuously during use.

Auto POWER Off

This will set the X150 to automatically power off after 1 minute, 3 minutes or 5 minutes. Select OFF to keep the X150 on during periods of inactivity.

Beep

Turn the key tone ON or OFF.

Date & Time

This allows you to adjust the date & time.

NOTE: Use the WiFi button to change the details, HOLD the SHOOT button to jump to the next character. You can also change the date format here. Press the SHOOT button to save & exit.

Language

Select the device language.

Light Frequency

Selecting the correct light frequency will avoid the possibility of strobing. Strobing is the flickering effect on screen when recording light or other elements. If this occurs, try switching to a different light frequency setting.

Screen Rotation

Rotate the screen.

System

- Factory Reset - Resets the X150 to factory default settings.

- System Info - Checks the firmware version.

- Card Info - See the SD card status.

WiFi Passsword

This will allow you to change the WiFi password. Use the WiFi button to change the digits, HOLD the SHOOT button to jump to the next digit. When finished, press the SHOOT button to save & exit.

General Settings Screen (Page 2)

WiFi SSID (SSID - Service Set Identifier)

This will allow you to change the last 3 digits of the SSID. Use WiFi button to change the digits, HOLD the SHOOT button to jump to next digit and at the end press the SHOOT button to save & exit.
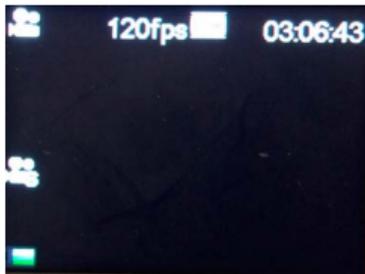
Format

This will format the Micro SD card and permanently erase all data on the card. Use wisely.
Slo-mo Mode

Slo-mo Mode

Slo-mo Mode Screen

One of the great features of X150 is the ability to capture slow motion footage.

NOTE: Slo-mo mode can only be activated at a video resolution of 1080P @ 60fps or 720P @ 120fps.

To activate this mode:

- Turn the X150 on.

- Press and HOLD the SHOOT button for 3 seconds.

- You will see ( ) at the left hand side of the screen.

- Press the SHOOT button to start/stop recording.

Picture Mode

This mode will allow you to take snapshots.

Picture Mode Screen

To activate this mode:

- Turn the X150 on.

- Press and HOLD the SHOOT button for 3 seconds.

- The X150 will enter into Slo-mo mode, press and HOLD the SHOOT button again.

- You will see (P) on top left corner of the screen.

- Press the SHOOT button to take snapshots.

Picture Settings

Picture Settings Screen

To enter the Set-up menu for Picture Mode, ensure the X150 is set in Picture Mode and press the POWER button (press and release immediately – don't forget, if it is held too long, the X150 will switch off).

Resolution

Select the image resolution to capture Photos.

Quality

Sets the image capture quality.

Metering

Metering refers to the way in which a camera determines the exposure.

White Balance

The factory default is Auto. If you switch Auto OFF, remember to adjust when lighting conditions change.

Picture Settings Screen 2

ISO

This is the measurement of how sensitive a camera sensor is to light.

We recommend you use the auto feature until you're more familiar with ISO settings.

Exposure

This allows you to set the light exposure value.

Self-timer

This allows you to set the timer for auto image capture.
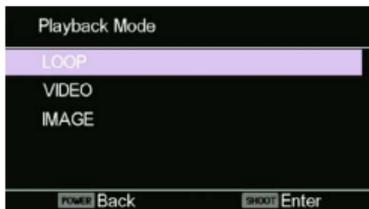
Date Stamp

Off: Turn off the date stamp display on images.

Date: Display the date stamp on images

Date & Time: Display the date & time stamp on images.

Playback Mode

Playback Mode Screen

Navigation: Use the WiFi button to navigate, SHOOT button to Enter/Confirm selection and the POWER button to go back.

This will allow you to view captured videos & images. Enter the Picture Mode first, then press and HOLD the SHOOT button for 3 seconds.

Loop - Video files that are recorded with Loop mode ON are saved to this folder.

Video - Video files that are recorded with Loop mode OFF are saved to this folder.

Image - Images are saved to this folder.

To delete files, select the file and press the POWER button. You will see the delete option there. You can

select the option to delete a single file or all files. You can also protect files from accidental deletion.

To exit the Playback Mode press and HOLD the SHOOT button to return to normal recording mode.

Connecting to a TV

You can mirror the X150 screen to a compatible TV screen.

Note: You will need a Mini HDMI to HDMI cable.

- Turn the X150 OFF.

- Connect the Mini HDMI cable-end to the port on the X150 and the HDMI end to HDMI port on the TV.

- Select the right source on the TV.

- Turn the X150 ON.

WiFi Setup

The X150 allows full camera control, live previewing and playback of photos/videos on most Smart Phones and Tablets.

1. Download the Kaiser Baas X150 App onto your Smart Device:
   **www.kaiserbaas.com/apps/x150-app**
   ## Kaiser Baas X150

2. Activate WiFi on your X150 by pressing WiFi button.

3. Go to the WiFi settings on your device, you will see the Kaiser Baas X150 in the list of available Wireless Networks.

4. Connect your device to the Kaiser Baas X150 via WiFi

5. The password will be displayed on the screen of the X150 once the WiFi is turned ON (e.g. 1234567890).

Note: WiFi will be turned off automatically if the X150 is not connected within 2 minutes.

6. Once your device is connected to the X150, launch the 'Kaiser Baas X150' app.

Important: Make sure the app is downloaded on to your Smart Phone or Tablet before co nnecting it to the X150 via WiFi.

App Interface Diagram

Battery Icon Video Resolution   Settings

Playback Mode   Record   Switch Photo/Mode
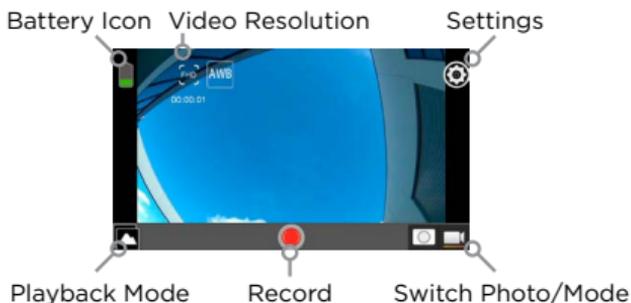
Using The Wrist Remote

The water-resistant Wrist Remote connects wirelessly to your X150 and allows easy 'hands-free' operation, when the X150 is mounted in hard-to-reach places; your helmet, vehicle etc.

Your X150 camera will already be paired with the wrist remote.

If it is not responding please check it is charged and follow the pairing instructions on the next page.

Remote Pairing Instructions

NOTE: The Wrist Remote must be fully charged before it is paired. Charging takes an hour or so, using the Micro USB cable provided.

1. Make sure the X150 is turned off.

2. Press and HOLD the RECORD Video & SHOOT Photo buttons on the Wrist Remote together, for 3 seconds, then release.

3. Turn the X150 on

4. A blue light will appear on the Wrist Remote once the pairing is complete.

   NOTE: Once paired, the X150 will recognise the Wrist Remote automatically.

Wrist Remote LED Indicators

Flashing Green: Video is being recorded. This light will also appear when an image is being captured.

KB TIP: You can check the battery status of the Wrist Remote by pressing Image Capture button (located between the LED lights and Red button) when the X150 is OFF. If the Wrist Remote has charge in it, the green light will flash.

Solid Blue Light : This indicates that the X150 and the Wrist

Remote are succesfully paired. The light will turn off a few seconds after the X150 is turned off.

Solid Purple Light : This light will appear when the wrist remote is being charged whilst the X150 is turned on. You can still use the Wrist Remote when it is charging.

Red : This indicates that the Wrist Remote is being charged or that the X150 is not be paired, nor in range.

Wrist Remote Battery Life

The Wrist Remote takes approximately 1 hour to charge.

In standby mode it will last approximately 5 days.

Whilst recording it will last approximately 4.5 hours.

Saving And Viewing Options

Transferring files to a PC

Use the USB cable supplied to connect the X150 to your computer.

Mass Storage Mode will appear on the X150 screen and the computer will detect the X150 as an external storage device. Alternatively, you can remove the Micro SD card and use a card reader (not included) to achieve the same result.

1. Select the file(s) you want to transfer to your computer by highlighting them.

2. Either drag the files to the desired location on your computer (this will make a copy of the file) OR right-click the file, select 'Copy' and right-click in the desired location on your computer and select 'Paste'.

   KB TIP: You can also transfer entire folders to your computer.

Using the X150 as a Webcam

Connect the X150 to your PC using the Micro USB cable, when you see Mass Storage Mode on the X150 screen, press and HOLD the SHOOT button for 3 seconds.

NOTE: You will not be able to record video or take pictures when the X150 is in Webcam Mode.

FAQ

My X150 freezes and unable to switch off. Why?

A. Reset the X150 by HOLDING the SHOOT button for 15 seconds. Please make sure to use a compatible Micro SD card. A Class-6 or Class-10 Micro SD up to 32GB is recommended.

Q. My X150 will NOT turn on. Why?

A1. Try re-inserting the battery.

A2. The battery could be flat. You need to recharge it (full recharge from flat will take about 5 hours).

Q. I cannot select higher resolutions. Why?

A. High resolutions are only available when you use a Class-6 or Class-10 Micro SD. Certain modes will also only operate at lower resolution (e.g. Time-lapse with 2.7K).

Q. The volume is too low on my video recordings. Why?

A. When the X150 is secured in a Waterproof case, it is normal to find a decrease in recording volume. Try using an exoshell or skeleton case.

Q. The volume is too low on my video recordings. Why?

A. When the X150 is secured in a Waterproof case, it is normal to find a decrease in recording volume. Try using an exoshell or skeleton case.

Specifications

Waterproof	Down to 30m (with waterproof casing)
Sensor	1/2.5" 8.0 megapixels CMOS sensor
Resolution	Video: 2.7K@15fps, 1440P@30fps, 1080P@60fps, 1080P@30fps, 720P@120fps,720P@60fps.
	Still photo: 12M(4032*3024), 8M(3264*2448), 5M(2592*1944), 3M(2048*1536)
Storage type	Micro SD card up to 32GB (not included)
FOV	150°- view fixed lens
Lens aperture	F/2.8 f=2.65mm
Lens Focus	0.5m to infinity
Shutter speed	1/30 to 1/2000 sec
Video Looping	Every 2mins, every 5 mins, Every 10 mins
Sensitivity	Automatic ISO 100-1600
Microphone	In-built
Display	2" TFT LCD

Format	Video: MOV H.264
	Still photo: JPEG
POWER supply	3.7V/1000mAh Li-Battery
Battery life	Video: 2 hours without WiFi
Language	English
Dimensions	54x37x51mm
Casing	49.5×76×84mm

System requirements

Operating system	Windows XP / Vista / 7 / 8 / MAC OS
App Requirements	Apple iOS & Android
Interface	Mini HDMI (HDMI cable not included)
	High speed USB 2.0
Language	English

Contact Us

Need further assistance? Please visit:
www.kaiserbaas.com/support

Or email:

helpdesk@kaiserbaas.com

For the full Kaiser Baas accesories range visit
www.kaiserbaas.com

CHALLENGE YOURSELF