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SMARTCAM PLUS
VIDEO ALARM
Home security System

USER MANUAL

1. Intended use

This surveillance camera is designed to monitor private living spaces.

It can be operated and programmed using the "**Tycam**" app, which can be installed on an Android™ smartphone or an iPhone/iPad.

A user account is required to use the app. There is no charge for this service.

Video, image and audio files can be transferred to your smartphone or tablet over Wi-Fi or 3G.

The surveillance camera supports live streaming (image and sound) and has an intercom feature.

Recordings can be created manually or automatically on your smartphone (e.g. when the built-in motion sensor detects movement) and saved to the internal memory, a memory card, or your cloud storage.

The camera features a built-in infrared LED for recording in low-light conditions.

The camera is powered by a built-in lithium polymer rechargeable battery or the USB power adapter included with the product. The battery can be charged using the power adapter and USB cable provided.

This product is intended for indoor use only. Do not use it outdoors. Do not expose the product to moisture (e.g. in bathrooms).

For safety and approval purposes, you must not rebuild and/or modify this product. Using the product for purposes other than those described above may damage the product. In addition, improper use can cause hazards such as short circuits, fire and electric shocks. Read the instructions carefully and store them in a safe place. Make this product available to third parties only together with its operating instructions.

2. Product overview

a) Camera

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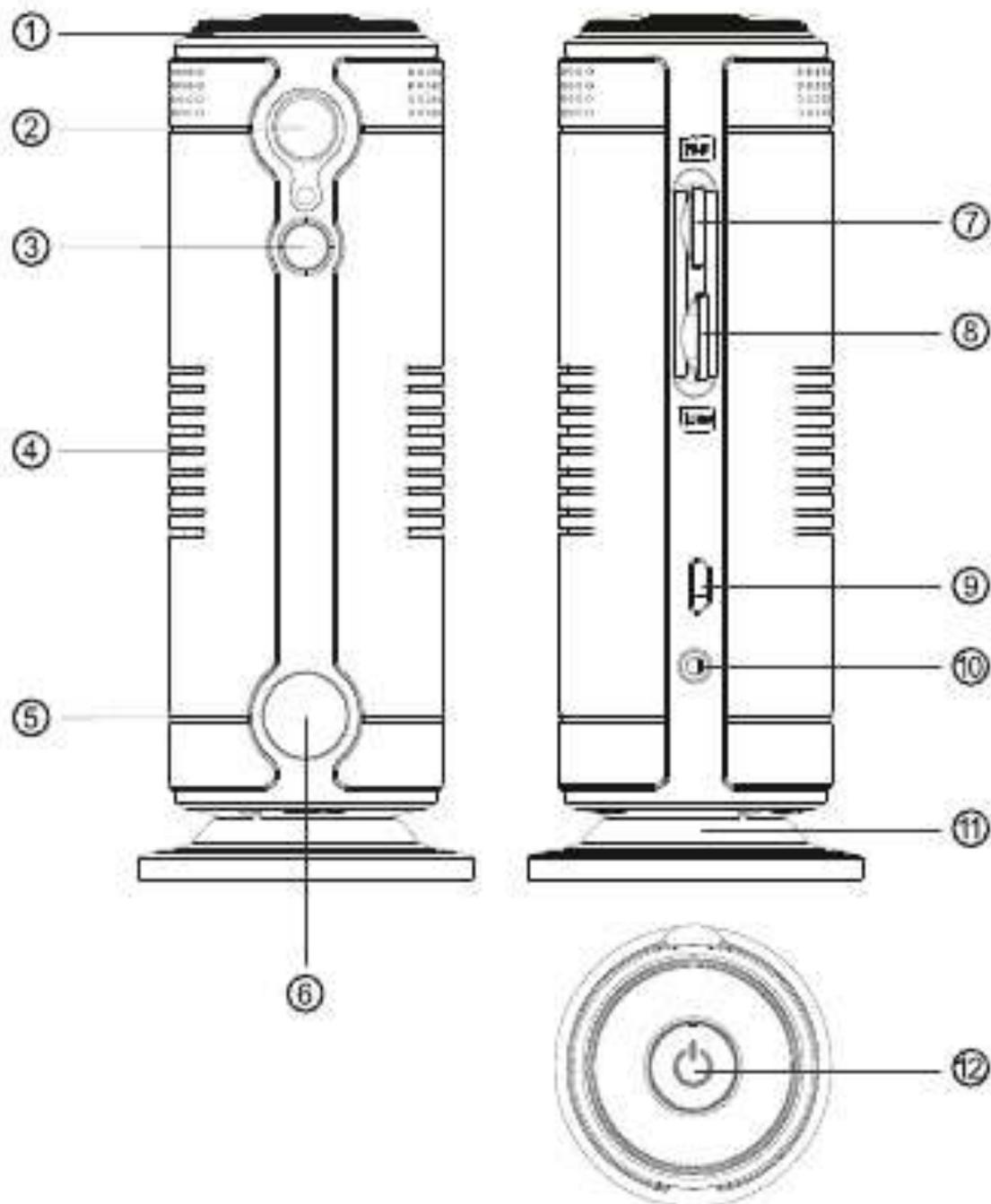
(1)	LED indicator
(2)	Camera
(3)	Infrared LED
(4)	Loudspeaker
(5)	Microphone
(6)	Motion sensor (PIR)
(7)	microSD card slot
(8)	SIM card slot
(9)	Micro USB port
(10)	Power-in socket
(11)	Magnetic stand
(12)	On/off/reset switch

b) LED indicator

LED status	Description
Red	Camera is switching on
Purple	Camera is switching off
Yellow	No SIM card inserted
Flashing blue/yellow	No network connection
Flashing yellow (slow)	Connected to 3G
Flashing blue (slow)	Connected to Wi-Fi
Flashing red (2x fast)	Streaming live video
Flashing red (interval = 1 sec)	Recording
Flashing red (fast)	Upgrading firmware
Flashing red (slow)	Battery is empty
Off	Camera is switched off

→ Please note that the yellow LED may appear green in certain circumstances. The color of the LED is permanent and cannot be changed.

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3. Getting started and installation

→ These instructions refer to a smartphone. This is intended to mean an Android ™ smartphone, iPhone or iPad.

a) Installing the camera

- If you want to use 3G features, insert a SIM card into the lower card slot before turning the camera on.

  The side with the diagonal corner must be inserted in the slot first. The contacts of the SIM card must be on the right-hand side of the slot.

  Press the card into the slot (8) until it clicks into place.

  → To remove the card, press it until it unlocks, and then pull it out of the slot.

- A SIM card is not required to use Wi-Fi features.

  → Your smartphone must be connected to the same network as the camera in order to use Wi-Fi features.

- Insert the low-voltage plug on the USB cable into the power-in socket (10) on the camera.
- Plug the other end of the USB cable into the USB port on the USB power supply unit.
- Plug the power supply unit into a mains socket.
- The camera will turn on automatically when it is supplied with power (the LED indicator will turn red).

  → To turn the camera on or off manually (e.g. when using the built-in battery), press the on/off button (12) on the top of the camera for 3 seconds.

  A sound will be played to indicate that the camera is switching on/off.

  It is only possible to switch off the camera when it is not connected to the USB power supply unit.

  The battery charges automatically when the camera is connected to the USB power supply unit.

- The LED indicator (1) will turn yellow (flashing yellow if a SIM card is inserted) when the camera has finished switching on.

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b) Installing the app

- Open the app store on your smartphone (Google Play Store for Android ™ devices and iTunes Store for Apple devices).

- Search for "**Tycam**" and install the app.

- Alternatively, scan the QR code on this page. You will be automatically directed to the download screen in your app store. The QR-code works on Android™ and iOS devices.

c) Configuring the app and creating an account

- Open the "**Tycam**" app.

- If you do not have an account, touch "**Register**".

  If you have already created an account, touch "**Sign In**".

- Enter your email address, and then enter your account password twice.

- Touch "**Register**".

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- You will receive an automatic email.

  If you have not received an email after 10 minutes, touch "**Resend Email**" to send the email again.

- Touch the link in the email to complete the registration process.

- Touch the arrow in the upper-left corner to return to the home page.

  → This page will be displayed after login if you have not completed the registration process.

- Touch "**Sign In**" on the home page.
- Re-enter your email address and password.
- Touch "**Sign In**" again.

d) Connecting the camera to the app

→ You should hear "**Waiting for connection**" every 20 seconds. If not, reset the camera to the factory settings, otherwise you will not be able to connect the camera to the app. Refer to section 10 for details on how to restore factory settings.

The initial configuration steps are the same for Wi-Fi and 3G.

- To add the camera to the app, touch + in the upper-right corner of the home page.

- This opens the QR code scanner. Scan the QR code on the camera label/packaging.

  Alternatively, enter the 32-character UID. In the right-hand image, this starts with "V7B881 ...".

- Touch the tick icon to confirm the number.

- If the camera is switched off, turn it on. When it is turned on and the the LED indicator is a constant yellow (flashing yellow if a SIM card is inserted and connected to the internet), you should hear "**Waiting for connection**" every 20 seconds. If you can hear the voice prompt, touch the button at the bottom of the screen (see arrow).

Additional setup instructions for Wi-Fi

- Check the name of the Wi-Fi network that your smartphone is connected to (see top arrow).

  Your smartphone should be connected to the same Wi-Fi network that you will use to control the camera.

- Enter your Wi-Fi password in the next field.

- Touch "**Next**".

- An image will be displayed indicating how you should hold your smartphone in front of the camera lens so that the camera can read the QR configuration code.

- Touch the next button at the bottom of the screen (see arrow).

- On the next screen you will see the QR code for configuring the Wi-Fi settings (see right-hand image).

- Hold the QR code in front of the camera lens (2).

  The distance between your smartphone and the lens should be at least 10 cm (at least 30 cm for tablets).

  The screen brightness will be automatically adjusted to maximum to ensure that the QR code can be read by the camera.

- Slowly adjust the distance between your smartphone and the lens until the QR code has been detected.

- You will hear "**Scanning successful**" when the QR code has been read.

- Touch "**Next**".

## Pairing the camera with the app (Wi-Fi and 3G)

- Your phone will search for the camera and pair it with the app.

  The camera must be connected to the Internet in order for pairing to complete. Once pairing is complete, the LED indicator will flash yellow (Wi-Fi) or blue (3G).

- Once pairing is complete, touch "**Start Using**".

- The app will automatically revert to the main menu, which contains a camera button.

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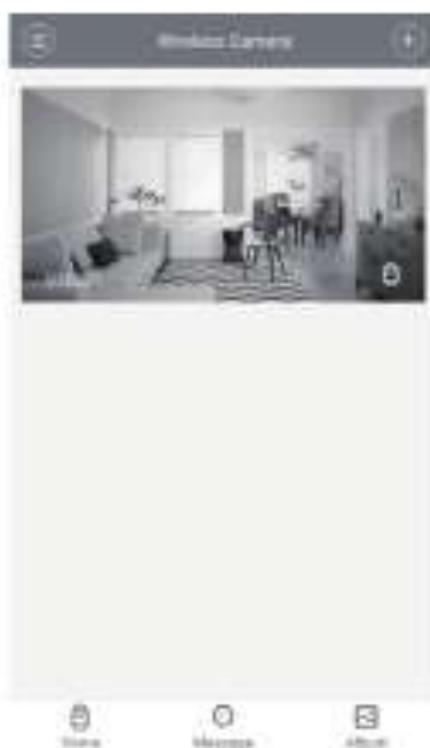
4. Advanced settings

a) Firmware update

- Touch the desired camera to check whether a new firmware update is available.

- Touch the settings icon in the upper-right corner.

- If a new firmware update is available and the camera is connected to the Internet, "**NEW**" will be displayed in red next to "**Camera Setup**".

- Touch "**Camera Setup**".

- "**NEW**" will be displayed in red next to "Firmware Version".

- Touch this menu option.

- The current and new firmware version numbers will be displayed.

- Touch "**Upgrade**" to install the latest firmware version.

- Once the firmware has finished installing, go back to the main settings menu.

- "**NEW**" should no longer be displayed next to "Camera Setup".

- When you touch "Firmware Version", the same firmware version should be displayed twice.

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b) Advanced camera settings

- Touch the desired camera.
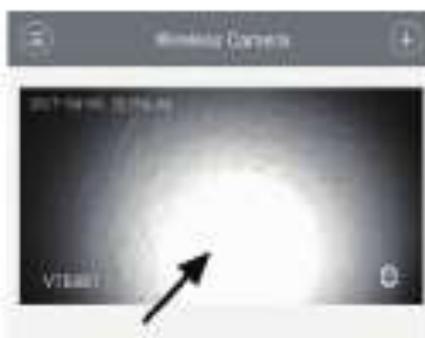
- Touch the settings icon in the upper-right corner.

- You will see an overview of the advanced camera settings.

- Touch "**Enable Alarm**" to toggle the alarm (the alarm is triggered when movement is detected by the motion sensor).

  To turn off the alarm, slide the switch to the off position (left).

- You can also configure the camera to start recording when movement is detected ("**Enable recording when motion detected**").

  To enable this feature, move the switch to the on position (right).

- All other settings are briefly explained below.

"Camera Name"

- This setting allows you to change the camera name. By default, the name is the first six digits of the ID.

- Touch **"Save"** after entering a new name.

"Camera Setup"

- **"Enable LED Indicator"** allows you to turn the LED indicator on and off.

- **"Video Flip"** rotates the camera image by 180 °.

- **"Night Vision Setup"** switches the infrared LED on or off (when set to on, the infrared LED turns on automatically in the dark).

- **"Time Synchronization"** synchronizes the camera time with your smartphone.

- **"Firmware Version"** shows the current and the latest available firmware version. You can also upgrade the firmware from here. See section "8 a) Firmware update" for details.

"Network Settings"

- **"Mandatory use of 3G/ 4G"** forces the camera to connect to a mobile network instead of Wi-Fi. A SIM card must be inserted to connect to a mobile network.

  When this option is disabled, the camera will automatically connect to Wi-Fi instead of 3G/4G (provided that you have configured the Wi-Fi settings).

- Use **"Wi-Fi Setup"** to configure the Wi-Fi settings. After opening this menu, the app will display a list of all available Wi-Fi networks. Touch the desired Wi-Fi network and enter the password.

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"Alarm Setup"

- "Alarm Type"

  Here you can see the current alarm type.

- "Push Notification"

  If "Push Notification Message" is enabled, push notifications will be sent to your smartphone.

  Under "Notification Mode" you can configure the ring and vibration settings for notifications.

- "SMS/Phone Notification"

  "SMS Notification" enables SMS notifications.

  "Phone Notification" enables phone notifications.

  Under "Notification Number", enter the phone number that you want to use to receive phone notifications.

  Under "Number of phone notifications", configure how often you want to be notified by phone.

- "Cloud Storage"

  Enable "Allow upload using mobile data" to allow images and videos to be uploaded to the cloud using mobile data.

"Schedule Alarm"

- Here you can configure the camera monitoring and alarm times.

"Alarm Record Duration"

- Here you can configure the duration of motion-initiated recordings.

c) Advanced app/user settings

- To open the app settings, touch the menu icon in the upper-left corner of the home screen.
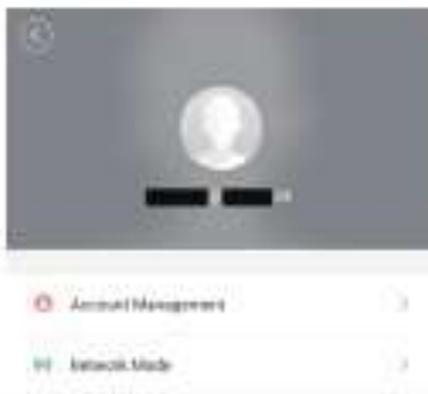
- Touch a menu option to view the corresponding settings.

- An overview of each menu option is provided below.

"User"

- Under "**Account Management**" you can configure your account settings and change the password.

- Under "**Network Mode**" you can choose whether to use Wi-Fi only or Wi-Fi and mobile data.

"Share"

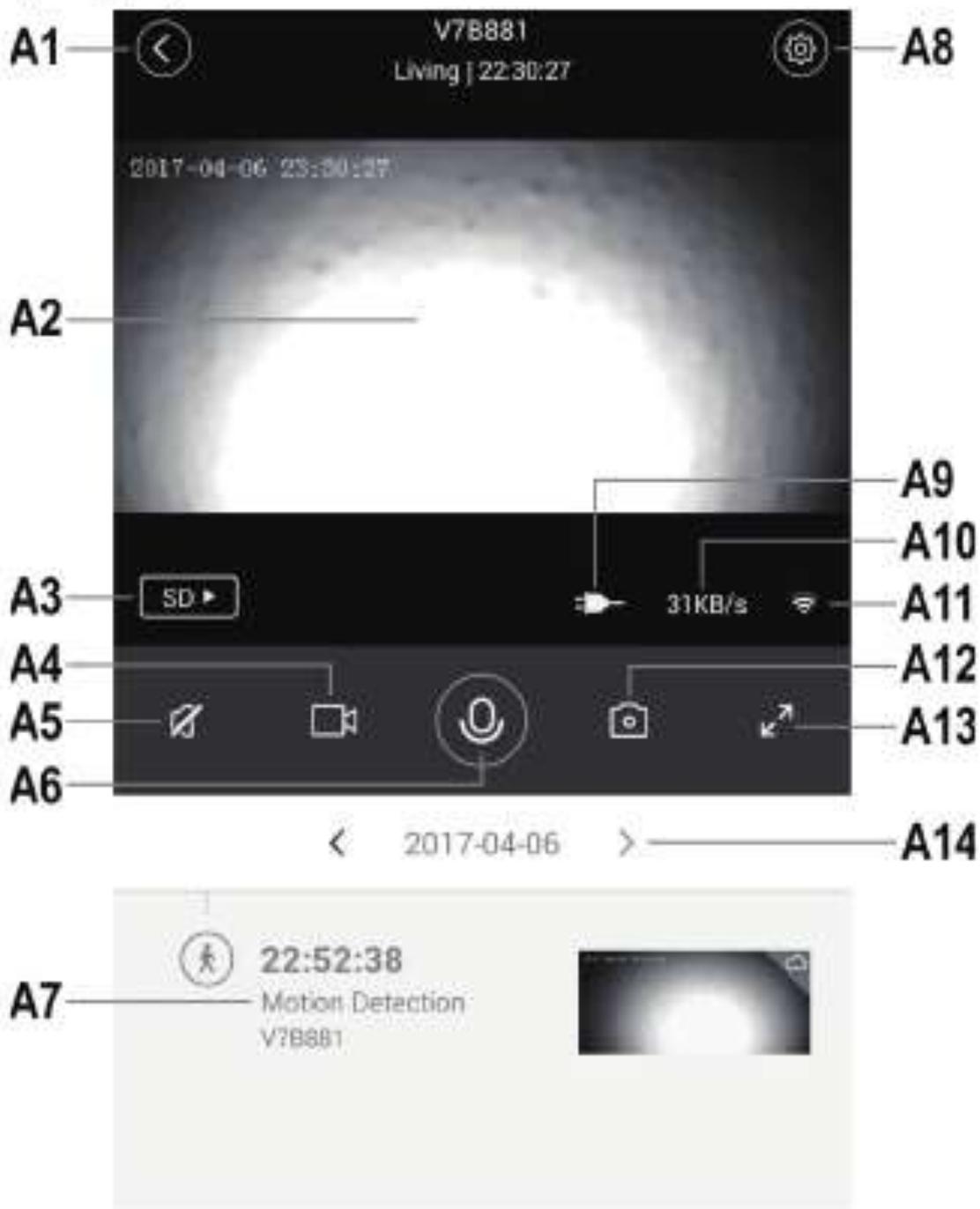- This option allows you to share a camera with your-self or other users.

"About"

- Displays the current app version and indicates whether a newer version is available.
- You can also clear the cache under "**Clear cache**".

5. Operation

a) In-app options

A1   V7B881   A8
Living | 22:30:27

2017-04-06 23:30:27

A2

A9

A10

A3   SD ▶   31KB/s   A11

A4   A12

A5   A13

A6

‹ 2017-04-06 ›   A14

A7   22:52:38
Motion Detection
V7B881

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A1	Back to the main menu
A2	Live camera stream
A3	Toggles the image quality between SD, HD and automatic
A4	Starts manual video recording
A5	Enables/disables the camera microphone. When enabled, sound picked up by the camera will be played on your smartphone.
A6	Enables the intercom feature (hold down the button when speaking). Sound picked up by your smartphone microphone will be played on the camera. Enabling the intercom automatically enables the camera microphone.
A7	Indicates motion-initiated recordings saved to the cloud. Touch a file to view the recording, or swipe down to refresh the list.
A8	Opens the camera settings menu.
A9	The plug symbol indicates that the camera is connected to the mains. Otherwise, a battery symbol is displayed indicating the remaining battery level.
A10	Indicates the data transfer rate in KB/s.
A11	Indicates that the camera is connected to Wi-Fi.
A12	Touch to take a photo. The photo will be automatically saved to your smartphone gallery.
A13	Touch to view the camera stream in fullscreen mode (landscape orientation).
A14	Touch to view recordings for a different date (recordings are automatically sorted by date).

b) Viewing an automatic recording

To view a recording that was triggered by the motion sensor, touch the arrow (A14) to select the desired date, and then touch the desired recording (A7). You should now see the following screen.

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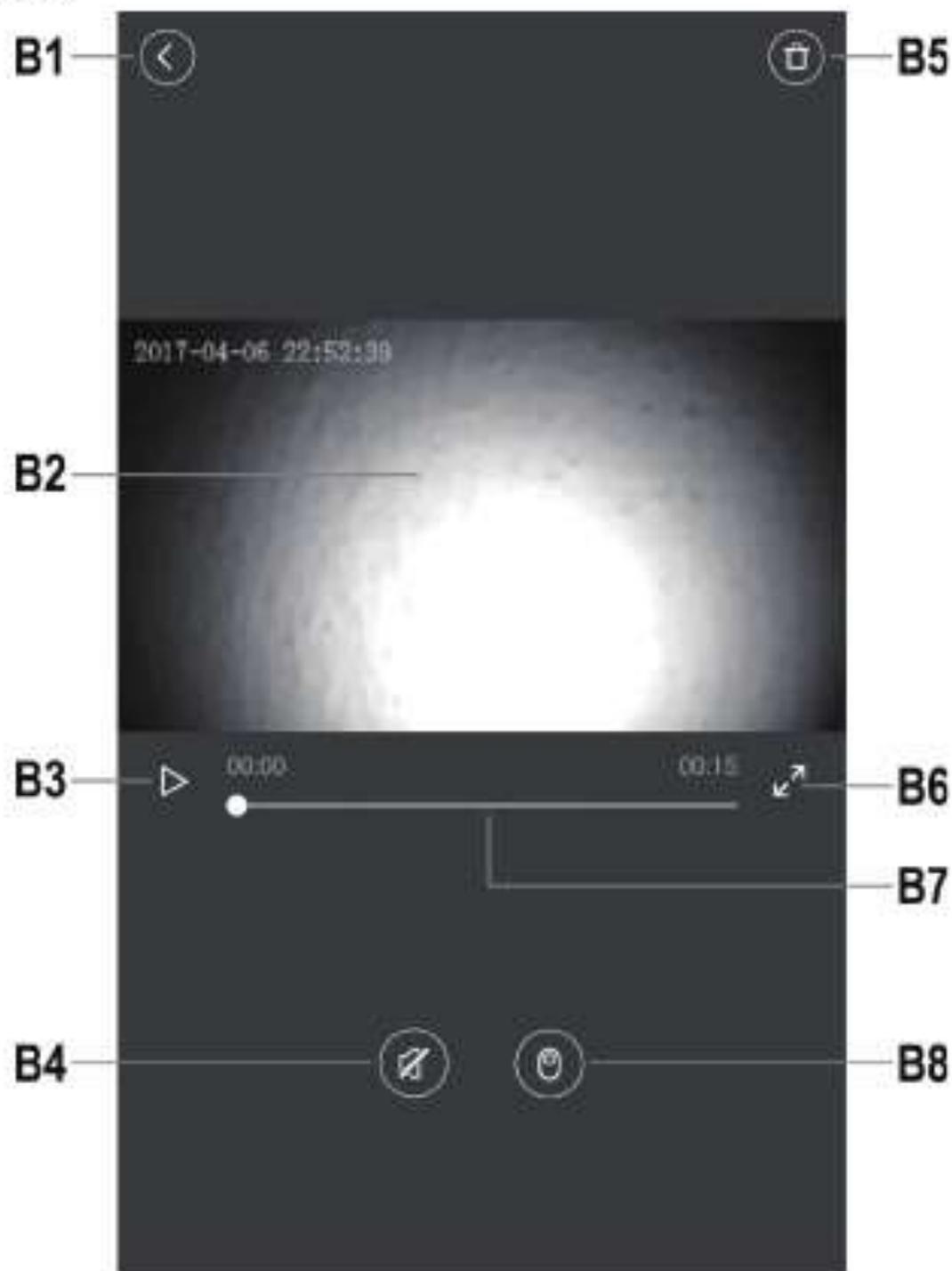
|	
B1	Back to the camera stream
B2	Recording
B3	Starts/pauses playback
B4	Mutes the sound during playback
B5	Deletes the current recording; touch "**OK**" to confirm.
B6	Touch to view the recording in fullscreen mode (landscape orientation).
B7	Progress bar; drag the slider to skip to the desired location.
B8	Back to the camera stream

c) Other functions

- Touch "**Message**" to view all messages and automatic recordings.

  You can also play automatic recordings as described in section 9. b).

- Touch "**Album**" to view all manual recordings and photos (**A4/A12**).

  You can also view these files in your smartphone gallery.
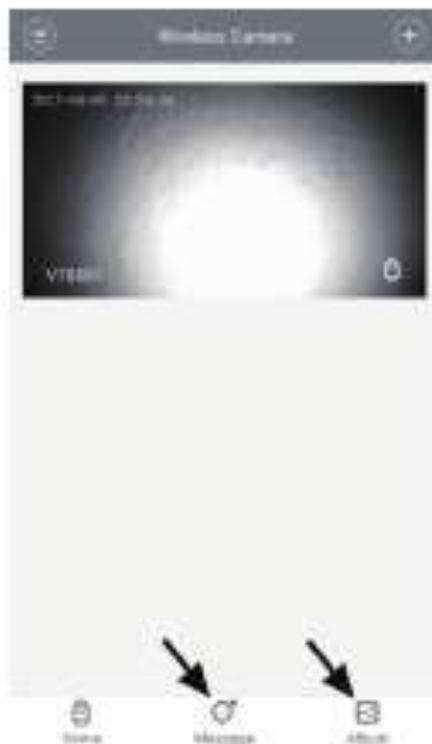
- A progress bar will be displayed when you touch the live camera stream.

  If a memory card is inserted, the camera will automatically start a recording. You can slide the progress bar to scroll back and forth in the recording.

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6. Resetting factory settings

a) Resetting the camera to the factory settings

- Switch on the camera and wait until the start-up process has completed.
- Press the on/off button (12) 10 times in quick succession.
- You will hear an acoustic prompt and the camera will restore factory settings and restart automatically.

  The LED indicator should be constant yellow (**flashing** yellow if a SIM card is inserted). You should also hear "**Waiting for connection**" every 20 seconds.

b) Deleting the camera from the app

- Touch the camera stream (white arrow), and then touch "**Delete Camera**" (black arrow).

- Touch "**Delete Camera**" to confirm.

- Enter your password and touch "**Delete**".
- Touch "**OK**" to confirm.

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