User Manual
Action Camera

FCC ID: 2AM69T51

Model: T51

Made by: Shenzhen TAT Electronics Co., Ltd

Version: V1.0

1. Key Feature

Video Resolution:4K@25fps, 2.7K@30FPS, 1080P@60FPS, 720P@120FPS

Image Resolution: 14MP

2" TFT screen

3.8V/1000mAh removable Lithium-ion battery

Support Wi-Fi connection, range up to 20 meters

Customized App: Android & iOS

Support 2.4G remote controller

Support Micro SD Card up to 32GB

Support External MIC (optional)

Support Fast charging

Bundle with waterproof case can support underwater 45 meters

2. Accessories in standard package

Camera x 1	Flat mount x 1
Waterproof case x 1	Curved mount x 1
Remote controller x 1	3M adhesive for curved mount x 1
Quick release mount x 1	3M adhesive for flat mount x 1
Lock bolt x 2 knuckle x1	
USB Cable x 1 Spanner x1	

3. Camera Diagram

I   **I**

A **(Power/Mode Button)** **B** **(Shutter/Menu Button)**

I **I**

Indicator **C** **D**

HD port Micro USB port

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SD card slot

4. Using Your Camera

4.1 Power on & Power off the camera

Turn on

Long press Power button A for 3 seconds to power on, indicator D turns blue.

Turn off

Long press Power button A for 3 seconds to power off, indicator D turns off.

4.2 Insert a Memory Card

Pull off the cover on the right side of the camera and insert a Micro SD card into the Slot.

NOTE:

1. We suggest using Class 6(or higher) Micro SD card for Smooth shooting purpose.

   Lower Class of the Micro SD Card may cause the video blur or unavailable.

2. There is only one correct direction to insert the SD Card into the slot. Do not

force the card into the card slot as it may damage both the SD Card and camera.

3. A new Micro SD Card should be formatted before using.

4.3 Charge the battery

Before using the T51 for the first time, please fully charge the battery .

Procedure:

1. Connect the T51 with a charger or device by Micro USB cable.

2. Charging Indicator C turns red during charging.

3. A complete flat battery takes around2.5 hours to get fully charged.

The red indicator turns off after the battery fully charged.

4. When the battery is going to run flat, the red indicator c blinks twice a second.

5. Some functions such as Wi-Fi is unavailable if the battery in low condition.

4.4   Insert camera into waterproof case

1. Ensure the case is dry and clean.

2. Insert the camera and make sure the lens fits neatly in the lens cavity.

3. Close the locking clamps.

4.T51 can be mounted using the accessories provided.

4.5 Shoot Video

Press Shutter/Menu button(B) when powered on, LED D turns blue and keep

blinking twice a second; Press again to stop.

4.6 Shoot a Single Picture

Press Power button (A) twice to enter photo mode. Press Shutter button(B) once to shoot a single picture, LED D flashes blue.

4.7 Mode Shift

1. Main mode shift (A)

When powered on, short press on button A to shift among Video -

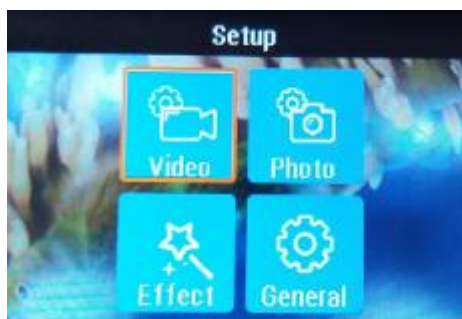Photo- Playback- Setup, pause to confirm on current mode.

2. Main mode shift (B)

When powered on, long press on Shutter button B for 3 seconds to enter Setup

menu: Video - Photo - Effect - General.

Press power button A to select, press shutter button B to enter
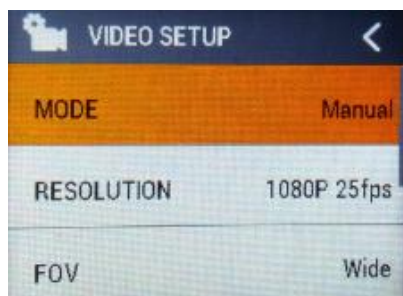
5. Setup your camera

Long press on Button B to enter Setup "Video - Photo - Effect – General", press
Power Button A to navigate and press Shutter Button B to confirm. Long press on
Button B again will exit.

5.1   Video SETUP

Mode

To set the videomode, Manual, Looping, Auto Stop, Timelaspe.

(Note : Only auto stop and manual mode supported in 4k@25fps, 2.7k@30fps)

RESOLUTION

To set the video resolution: 4k @25fps , 2.7k @30fps , 1080P@60FPS,1080P
@30FS,720P@120FPS,720P@60FPS

FOV

To set the lens wide angle, Super Wide, Wide, Medium, Narrow.

Video Quality
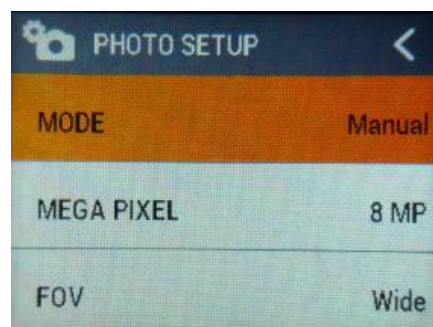
To set the video quality.

DIS

To set the digital image stabilization.
(Note: Date stamp function will be unable when turn on DIS, DIS function will be unable when turn on date stamp)

SCENE MODE

To set different scene mode, Manual, Water, Riding, Winter, Diving, Night.
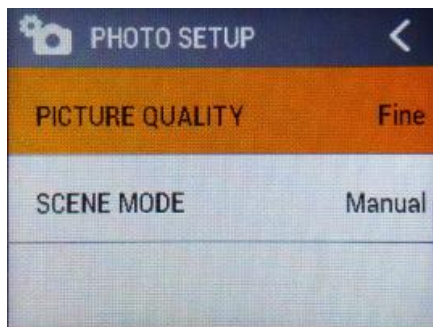
5.2 Photo Setup

MODE

To set the photomode, Manual, Timelapse, Burst, Self Timer.

MEGA PIXEL

To set the image resolution 14MP,12MP,8MP , 7MP

FOV

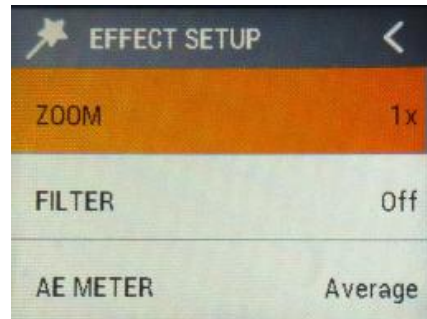To set the lens wide angle, Super Wide, Wide, Medium, Narrow.

PICTURE QUALITY

To set the picture quality.

SCENE MODE

To set different scene mode, Manual, Outdoor, Indoor, Portrait, Landscape, Night.
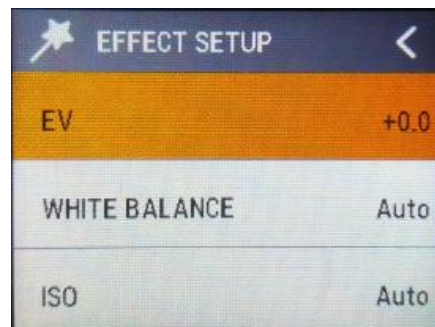
5.3 EFFECT SETUP

ZOOM

To zoom the image x1, x2, x3, x4.

FILTER

To define the amount of color saturation.

To define which image areas are used to calculate the correct exposure.
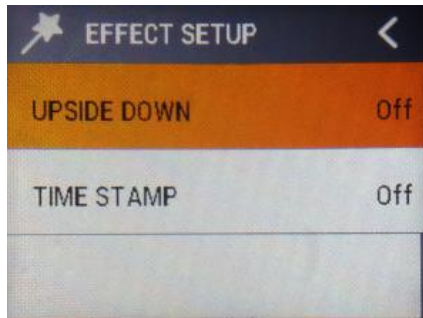

EV

This allows user to set the light exposure value.

WHITE BALANCE

Factory default is Auto. If you switch Auto OFF, remember to adjust

when lighting condition changes.

ISO

This is the measurement of the sensor's sensitivity to light.

UPSIDE DOWN

To rotate the screen.

TIME STAMP

To define if the time mark is displayed at the bottom of the videos or pictures.

(Note: Date stamp function will be unable when turn on DIS, DIS function will be unable when turn on date stamp)
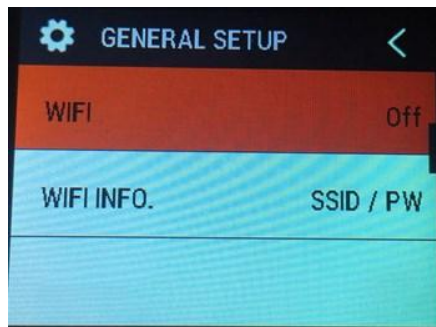
5.4 GENERAL SETTING

CONTROL

Thisallows user to set the microphone volume, Speaker volume, LED Brightness.

BEEP

Turns off or on sound when a button is pressed.

LED INDICATOR

Turns off or on the LED indicator.

Wi-Fi

Selecting to turn on or turn off the Wi-Fi function.

Wi-Fi INFO.

To display the currently Wi-Fi SSID & Password.

RF Remote Controller

To select turn on/off RF Remote Controller code signal.

QUICK REC

The camera will start recording automatically after a few seconds as selected when powered on.
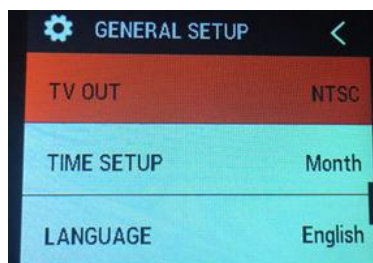
AUTO LCD OFF

This will determine if the LCD will turn off after 30sec, 1 min or 5 min. Press any key

to turn the screen on.

Select OFF to keep the screen always ON.

AUTO POWER OFF

The camera turns off when not in use after specified time.

TV OUT

Setting the desired TV standard, PAL or NTSC.
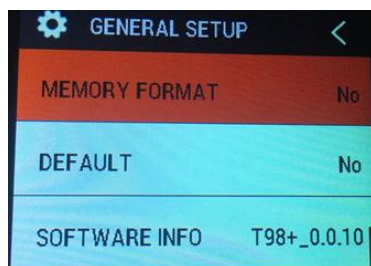
TIME SETUP

This allows user to adjust the date &time.

LANGUAGE

To select the device language, total 4 different languages.

MEMORY FORMAT

This is to format the SD card. Choosing to format the card will permanently erase all data on the card.

DEFAULT

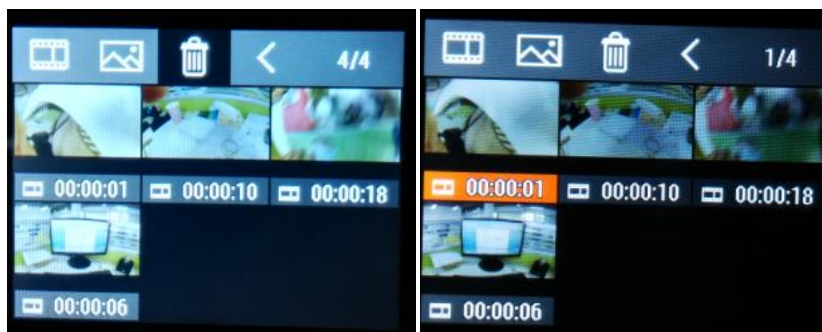To reset the camera in factory default.

SOFTWARE INFO

To display the currently installed firmware version.
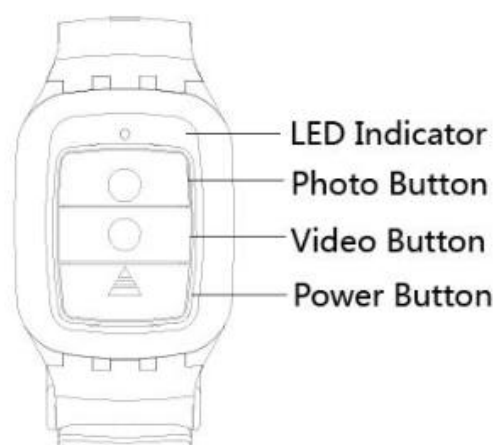
6. Playback Mode

Press Power Button A three times to playback mode, press B to confirm.

Press power button A to select photo or video, long press shutter button B to confirm. Press power button A to select photo/video, short press to play. Short press Shutter button B again to exit.

7. Remote Control

LED Indicator
Photo Button
Video Button
Power Button

7.1 Pairing Procedure

Long press shutter button B to enter setup, press power button A to navigate. Press shutter button B to enter general setting, select RF CTRL. Turn on RF CTRL.

With camera RF CTRL on, press power Remote Control button and hold on for 3seconds to turn on the controller and pair . The LED Indicator will blink blue.

7.2   Using your remote

Photo Shot: Press the Photo button once to shoot a single picture, the LED indicator
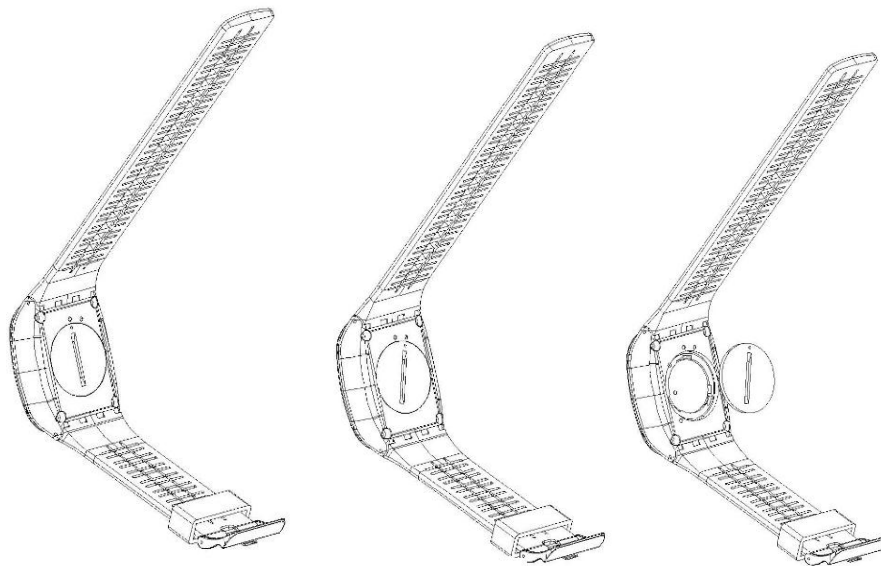
of remote flickers twice.

Video Record: Press the Video button once to start recording, the LED indicator

flickers twice also, press the Video button again to stop.

Power Off button: Press the Power Off button and hold on for 3seconds to turn off

the camera, the LED indicator turns off accordingly.

7.3 Replace the Battery

When the battery capacity is low, LED indicator flickers once per second. You need to replace with a new button battery.

How to replace a button battery?

1. Begin by purchasing a replacement battery for your remote. You need a button battery with model No. CR2032.

2. Screw the round cap at the bottom of remote. Please see above pictures.

3. Remove the old battery.

4. Insert the new battery into the slot where the old battery was, with the flat surface up.

8. Wi-Fi Setup

The T51 allows full camera control, live previewing and playback of photos/videos on most Smartphones and Tablets.
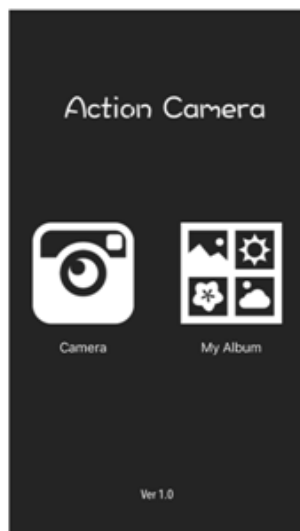
a. Press Wi-Fi button to turn on /turn off Wi-Fi.

b. Download the App "iSmart Pro" from "Google Play" or from the Apple "App Store".

c. Activate Wi-Fi in the GENERAL SETUP MENU.

d. Go to the Wi-Fi settings on your Phone, you will see t51_xxxx in the list of available Wireless networks.

e. Connect your Phone to the "t51_xxxx" via Wi-Fi.

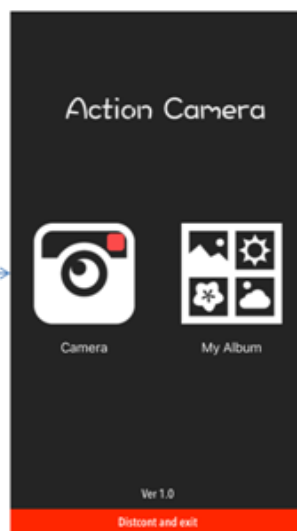   The default Wi-Fi Password for the T51 is: 1234567890.

      Note: You can change the Wi-Fi password in the menu setting.

f. Open the app "iSmart Pro"

   Important: Before connecting camera via Wi-Fi, you need to download the "iSmart Pro" App on your smart phone or tablet.
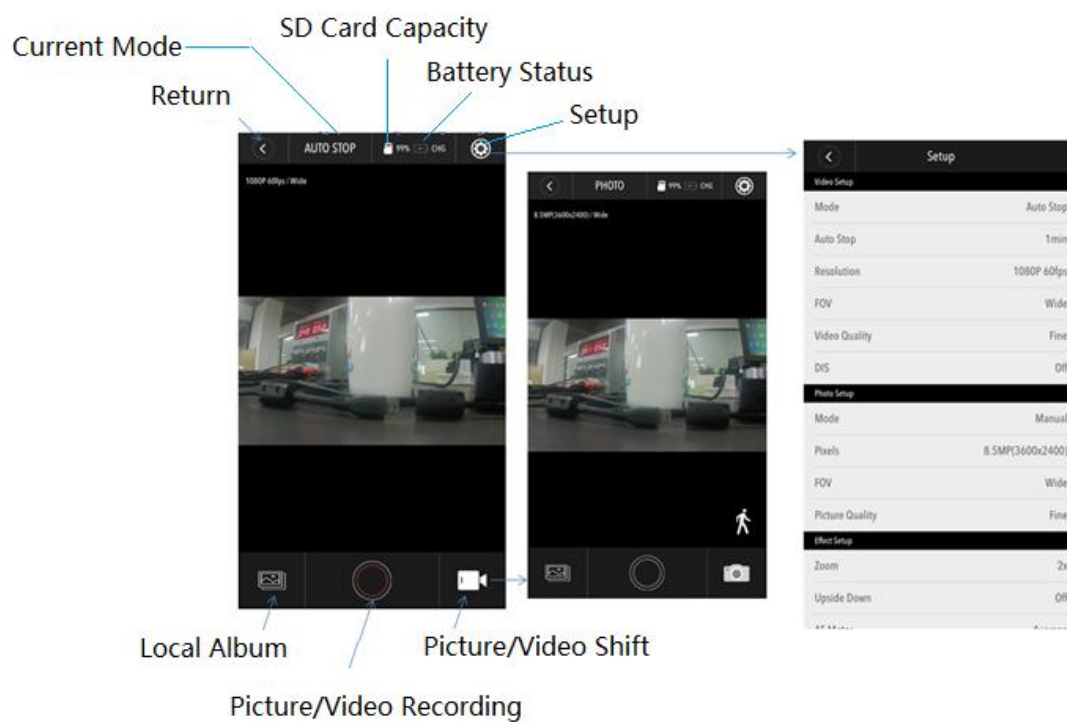
Open the App   Connect successfully   Enter into the live interface

Current Mode
SD Card Capacity
Battery Status
Return
Setup
Local Album
Picture/Video Shift
Picture/Video Recording

Setup Interface

9. Saving and Viewing Options

9.1 Connecting to TV

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

Note: You will need anextra Mini HDMI to HDMI cable, which is not included in the standard package.

- Turn the camera on;
- Connect Mini HDMI end to the port on camera and HDMI end to HDMI port on the TV;
- Select the right source on the TV;
- Turn the camera on.

9.2 Transferring files to PC

Use the USB cable to connect the camera on your computer, the camera

will turn on automatically, then enter into storage mode, that is to say,your camera

now is used 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 place on your computer (this will make a copy

of the file on your computer) OR right-click the file, select "Copy" and right-click in

the desired place in your computer and select "Paste".

Note: You can also transfer entire folders of pictures / videos to your computer.

9.3 Using the external MIC (optional)

Insert the external MIC to Micro HDMI port, the camera will automatically switch

to record the sound from the external MIC.

This will help to reduce the noise and get better video sound.

Cautions

Do not drop the camera.

Do not place heavy objects on the camera.

Keep the camera away from water and liquids (unless equipped with
waterproofcase). This may cause the camera to malfunction.

Recharge the battery via the USB cable.

The camera should not be in heat over 55℃.

Do not use the camera when it is low power.

Do not use the camera while it is in charging.

Do not attempt to open the case of the camera or modify it in any way. If the

camera has been detached, the warranty will be void. Maintenance and repairs

can only be performed by TAT.

Note:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.