

User Manual

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Preface

Thank you for purchasing this digital camera. Please read this instruction carefully before use and keep it properly for future reference.

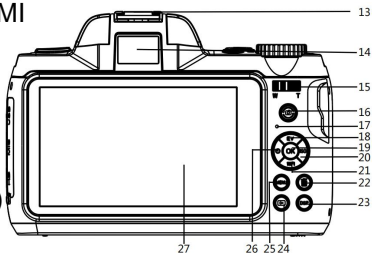
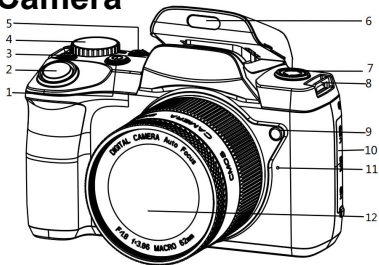
Safety Precautions

- ◆ Keep the camera clean. Do not place it in areas with high temperatures, excessive dirt, or humidity.
- ◆ The display screen of this camera is a capacitive touch - screen. Gently touch it with your finger only. Avoid pressing too hard or touching it with hard or sharp objects to prevent damage to the product.

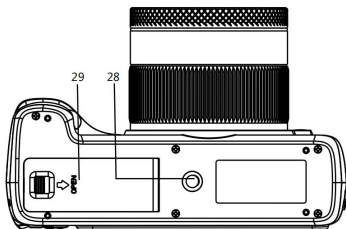
- ◆ Do not use this camera in a harsh environment.
- ◆ Do not use the camera in high - temperature places (above 40°C), especially avoid using it in a closed car in summer.
- ◆ Do not attempt to open the camera housing or modify the camera in any way. Only authorized maintenance personnel are allowed to repair this camera.
- ◆ Before cleaning the camera, turn off the power first.
- ◆ Use a clean, soft cloth to wipe the camera body.
- ◆ This camera is for household use only and is not suitable for commercial purposes.
- ◆ When the camera is not used for a long time, disconnect it from other devices and remove the battery.
- ◆ To avoid freezing, do not suddenly disconnect the camera from the computer during connection.

1. Parts Of The Camera

- 1.Power Button
- 2.Shutter Button
- 3.Video shortcut Button
- 4.Mode Conversion Dial
- 5.Flash Switch Button
- 6.Hidden LED Flash/
Fill Light
- 7.Speaker
- 8.Strap Hole
- 9.Timing photo work indicator light
- 10.External MIC/USB/HDMI
/Micro SD Card Interface
- 11.Microphone
- 12.Front Lens
- 13.External Microphone
Jack (Hot Shoe Interface)
- 14.Rear Lens
- 15.Zoom Focusing Dial
- 16.Front - Rear Lens Conversion E
- 17.Charging/Working Indicator Light
- 18.Up/EV Button



- 19.OK Button
- 20.Right/ISO Button
- 21.Down/WIFI Button
- 22.Delete Button
- 23.Screen Saver Button
- 24.Playback Button
- 25.Menu Button
- 26.Left/Time Interval Shortcut Button
- 27.Touch Display Screen
- 28.Battery Compartment
- 29.Battery Screw Hole



2. Preparing For Using

Installing the Battery

1. Open the battery cover.
2. Use the lithium- ion battery provided with the camera. Insert the battery into the device in the correct direction according to the positive and negative poles marked on the battery.
3. Confirm that the battery is fully inserted into the device and then close the battery cover.

Charging The Battery

1. Turn off the device. Use a universal USB power adapter (DC 5V/2A, not included) and the attached Type - C USB cable to charge this device.
2. When charging, the red charging indicator light turns on.
3. When the battery is fully charged, the red charging indicator light turns off.

Inserting the Memory Card

- This device has no built - in memory card. To ensure normal use, please prepare a Micro SD card in advance (up to 512GB is supported). It is recommended to use a high speed card of brand Class 10 or above (Note: when recording videos with a size of 5K or above, a U3 - grade Micro SD card is required).
- When inserting or removing the card, be sure to turn off the device first and ensure the correct way of inserting or removing the card. Do not force the card in or out. If no memory card is inserted, the camera cannot save any data.
- When using the memory card in this digital camera for

the first time, the memory card must be formatted on this camera. All data in the memory card will be erased, including protected files. Please be sure to download important files to your computer before formatting.

Insert the memory card according to the following steps:

1. Turn off the device.
2. Open the rubber cover on the side of the digital camera and find the Micro SD card slot.
3. Insert the memory card. When you hear a "click" sound, it indicates that the card is inserted successfully.
4. Close the rubber cover.

3. Basic Operation

➤ Turning On/Off The Camera

1. Press the power button to turn on, the green status indicator will light up, press the power button again to turn off.
2. **Notice:** To save battery power, you can set [Auto Power Off] in the camera's system menu.

➤ Focus Modes

This camera has three focus modes: Auto Focus,

Manual Focus, and Fixed Focus.

- **Auto Focus:** In this mode, when taking pictures or recording videos, just keep the camera stable. The camera will automatically focus. After focusing is completed, press the Shutter button.
- **Manual Focus:** In this mode, when taking pictures or recording videos, half - press the shooting button. A focus frame will appear on the display screen. Keep pressing until the camera is in clear focus and then press the Shutter button to take the best - focused photos or videos.
- **Fixed Focus:** In this mode, the focal length for taking pictures or recording videos is fixed.

➤ **Using The Flash**

1. Pull the hidden LED flash/fill light with your hand. When you hear the "click" sound or feel the position, it means it has been turned on in place.
2. Press the LED fill - light/flash button to switch the flash status. The flash cannot be used when the device is low on battery or in video - recording mode. The

screen icon display and status are as follows:

	Auto: Automatically turn on/of
	Flash on: Turn on the flash
	Flash off: Turn off the flash

3. Press Shutter button to take a picture.

➤ **How to Use an External Microphone**

Wired Professional Microphone (Optional)

1. Install the wired microphone into the external microphone base in the correct direction and tighten the fixing screws.
2. Insert the external microphone plug into the camera's MIC interface. The device will automatically connect to the external omnidirectional microphone. Conversely, if you unplug the plug, the device will automatically connect to the built - in unidirectional microphone.

Wireless Lavalier Microphone (Optional)

1. Use the DC5V USB charger to fully charge the transmitter and receiver of the wireless microphone.
2. Insert the wireless microphone receiver plug into the

camera's MIC interface.

3. Long - press the power - on buttons of the wireless microphone transmitter and receiver. The blue lights will flash. When the blue lights stay on, the power - on pairing is successful.

4. When the light of the wireless microphone receiver stays on, turn on the camera and you can use the wireless microphone for recording.

➤ **System Menu**

In any mode, press the "MENU" button to enter the Shooting Mode menu. Then press the "Left" or "Right" button to enter the System menu settings. Press the "Up" or "Down" button to find the sub - menu that needs to be reset and press the "OK" button to confirm the selection.

Sub - menu	Menu Content
Image Rotation	On/Off
Focus Mode	Auto /Manual /Fixed Focus
Screen Brightness	Low/Middle/High
Icon Display	On/Off

Wi-Fi	On/Off
Reset WIFI	Confirm/Cancel
Frequency	Auto/50Hz/60Hz
LED indicator	On/Off
Auto Screen Timeout	On/Off
Auto Power Off	Off/3 minutes/5 minutes/10 minutes
Button Sounds	On/Off
Boot Volume	On/Off
Language	English/ 简体中文 / 繁體中文 / 日本語 /Français/ Deutsch/Italia/Español/Русский язык
Date Format	YY/MM/DD, MM/DD/YY, DD/MM/YY
Date & Time Setup	Set the date and time of the camera. Press the Up/Down buttons to adjust the date and time and press the Left/Right buttons to move the cursor between settings to set the correct time. Press the OK button to complete the setting.
Format Memory Card	All data stored on the memory card (if you are using a memory card) will be deleted, including protected files. Be

	sure to download important files to your computer before formatting. Options: Confirm/Cancel
Restore to Default Settings	Reset the entire menu and button operation settings to the initial default values. Options: Confirm/Cancel
About	Software information of this device

4. Camera Function Introduction

Touch - screen Function

The display screen is touch - operable. The functions corresponding to each icon are as follows:

Icon	Function
AWB	Switch White Balance (Options: Auto, Sunny, Cloudy, Incandescent, Fluorescent)
	Switch Color Effect (Options: Color, Black and White, Negative, Antique, Red, Green, Blue, Dogeye, Infrared, High Saturation)
	Set the exposure value manually to compensate for unusual lighting conditions such as indirect

	indoor lighting, dark backgrounds and strong backlight. The exposure value range is -3 to +3.
	Switch the Metering mode (Options:Average/Center / Point Metering/Matrix metering)
	Digital Zoom in
	Digital Zoom out
	The ISO menu allows you to set the level of sensitivity that your camera has to light in the surrounding environment. Options:Auto/100/200/400/800/1600/3200/6400.
MENU	Menu button(Click this button to enter the shooting mode menu and then press the "Left" or "Right" button to enter the System menu setting.)
	Playback (Click this button to view the photos and videos you have taken)
	System menu setting (Click the Menu button to enter the shooting mode menu and then press the "Left" or "Right" button to enter the System menu setting.)
	Shooting mode menu (Click the Menu button to enter the shooting mode menu and then press the "Left" or "Right" button to enter the System menu setting.)
	Return/Exit

Changing the Camera Mode

The camera has 9 modes: Normal Pic, Auto Pic, Continue Pic, Timed Pic, Normal Rec, Slowly Rec, Loop Rec, Time Rec, Video and Photo .



Icon	Mode	Function Description
1	Time Rec	Compress time to record video
2	Loop Rec	Record video on a continuous loop
3	Slowly Rec	Record video in slow motion
4	Normal Rec	Shooting normal video
5	Auto Pic	Automatically take a single photo
6	Continue Pic	Take multiple photos in a row
7	Timed Pic	Take a single photo at regular intervals
8	Normal Pic	Take a single photo
9	Video and Photo	A single photo can be captured according to the set capture interval during video recording

Normal Photo Shooting

1. Turn the Mode Conversion Dial to switch the camera to Normal Pic mode . The corresponding icon will

- appear in the upper - left corner of the display screen.
2. Use the LCD screen to display the scene you are shooting. Focus by Auto focus or Manual focus, with the clearest display on the screen as the standard.
 3. Adjust the Zoom Focusing Dial to zoom in or out on the scene. The zoom value will be displayed on the screen.
 4. Press the Shutter button to take a photo. The taken photo will remain on the display screen for 3 seconds. There is a count in the upper - right corner of the display screen for each photo taken.

Normal Video Recording

1. Rotate the Mode Conversion Dial to switch the camera to Normal Rec mode. The corresponding icon will appear in the upper - left corner of the display screen.
2. Use the LCD screen to display the scene you are shooting. Focus by Auto focus or Manual focus, with the clearest display on the screen as the standard.
3. Adjust the zoom focusing dial to zoom in or out on the scene. The zoom value will be displayed on the screen.

4. Press the Video shortcut Button to start recording. If using in a dark or low - light environment, press the flash/fill - light button to turn on the fill - light, and press it again to turn it off.
5. Press the Video shortcut Button again to stop recording. When the memory card is full, the device will automatically stop recording.

Slow - motion/Time - lapse Recording

Slowly Rec - used to record moments that cannot be captured by the naked eye; Time Rec - shorten a long phenomenon into a short period of time for recording. It can record the scene of intense sports, the moment of birds taking off, the appearance of flower buds, and the change of clouds and stars. Sound is not recorded.

Rotate the mode conversion dial to select Slowly Rec /Time Rec. Press the Video shortcut Button to start shooting. To end the shooting, press the Video shortcut Button again.

Video Recording + Photo Shooting

In this mode, a single picture can be captured in

sequence according to the set capture interval during video recording. This mode can be used in outdoor sports, travel, party, etc.

Rotate the Mode Conversion Dial to select Video and Photo. Select the capture interval you want in the menu. Press the Video shortcut Button to start shooting. To end the shooting, press the Video shortcut Button again.

Shooting Mode Menu Settings

After turning on the camera and selecting the corresponding mode, press the Menu button (or click Menu on the display screen) to enter the shooting mode menu. Some of the menus are as follows:

Video submenu	Menu Options
Resolution	5K/20FPS, 4K/60FPS, 4K/30FPS, 2.7K/60FPS, 2.7K/30FPS, 1080P/120FPS, 1080P/60FPS, 1080P/30FPS, 720P/120FPS, 720P/60FPS, 720P/30FPS
White Balance	Auto, Sunny, Cloudy, Incandescent, Fluorescence
Exposure	+3.0 EV to -3.0 EV increments are

	1.0EV
Color Effect	Color, Black and White, Negative, Antique, Red, Green, Blue, Dogeye, Infrared, High Saturation
Metering	Average/ Center/ Point Metering/ Matrix metering
Sharpness	Low / Middle / High
Video Quality	Low / Middle / High
ISO	Auto、100、200、400、800、1600、3200、6400
Date & Time Stamp	On/Off
Recording settings	On/Off
Flashlight	On/Off

Photo submenu	Menu Options
Resolution	64Mega Pixels, 48Mega Pixels, 36Mega Pixels, 24Mega Pixels, 20Mega Pixels, 16Mega Pixels, 13Mega Pixels, 8Mega Pixels, 5Mega Pixels, 3Mega Pixels
White Balance	Auto, Sunny, Cloudy, Incandescent,

	Fluorescence
Exposure	+3.0 EV to -3.0 EV increments are 1.0EV
Color Effect	Color, Black and White, Negative, Antique, Red, Green, Blue, Dogeye, Infrared, High Saturation
Metering	Average/ Center/ Point Metering/ Matrix metering
Sharpness	Low / Middle / High
Photo Quality	Low / Middle / High
Flashlight	On/Off
ISO	Aut/100/200/400/800/1600/3200/6400
Date & Time Stamp	On/Off

Playback

Browsing Saved Files

In any mode, press the playback button (or click the playback icon on the display screen) to switch to the playback mode.

In the nine-grid interface, press the Up/Down/Left and Right buttons or tap on the touchscreen to select the video file or picture you want to play. Press the OK

button to start playing the video and press the OK button again to pause the playback. Press the Left/Right button or the left / right arrow on the touch screen to switch files; flick the Zoom Focusing Dial or the speaker on the touch screen to adjust the volume of playing videos; flick the Zoom Focusing Dial or T/W icon to zoom in/out the picture; Press the playback button (or the back button on the touchscreen) to stop playing the current video or picture.

Playback menu

Menu item	Function
Delete Current	Delete the current file. Options: Confirm/Cancel
Delete All	Delete the all files. Options: Confirm/Cancel
Lock Current	Locks the current file. Options: Confirm/Cancel
Lock All	Locks the all files. Options: Confirm/Cancel
Unlock Current	Unlocks the current file. Options: Confirm/Cancel
Unlock All	Unlocks the all files. Options: Confirm/Cancel

5. Wifi connection



1. Long press the power button of the camera to turn it on. After pressing the Down/WiFi button, a QR code of the APP will appear on the display screen. Scan this QR code or the QR code in the upper right corner to download the APP.
2. Download the APP according to the prompts on the mobile phone display screen. After the APP is downloaded, enter the APP and click to connect to the camera.
3. Set up the Wi-Fi according to the prompts on the mobile phone display screen. Find the hotspot named: TDC1300- xxxxxxxx, click on it and enter the original password "12345678" to connect to the Wi-Fi.
4. After the Wi-Fi hotspot is successfully connected, return to the APP interface, and you can perform corresponding function operations within the APP (view files in the Micro SD card, make settings, take photos, etc.).
5. After the APP operation settings are completed, return to the main interface, click the back button of the

mobile phone (exit the Wi-Fi connection), exit the APP, and the product will enter the sleep mode.

6. The function introduction of the camera APP interface is as follows:

1 — My Camera ▾

2 —  +



TDC-1300

TDC1300-XXXXXXXX

● Camera Offline

3 —  Connect

6 — 
Camera


Album

5 — 
More

1. My Camera	You can view the cameras you've added
2. Add Camera	Multiple cameras can be connected
3. Connect	Click to connect with camera
4. Album	Photos and video files that hs been

	downloaded to the phone can be viewed, edited, shared, deleted, and more.	
5. More	App Settings	Click this key, the user can set the APP's Language, Date Format, Enter playback automatic download photos, Soft Decoder and so on
	Feedback	You can give feedback about the problems you encounter with the camera, and we will help solve it.
	About	App Version
6. Camera	Click this button to return to the home page.	



1. Available capacity of memory card

2. Return to the main screen

3. Camera parameter Settings	4. Real-time picture
5. Shoot button	6. Camera photos and videos
7. Shooting mode, you can slide left or right to choose: Normal Pic, Auto Pic, Continue Pic, Timed Pic, Normal Rec, Slowly Rec, Loop Rec, Time Rec, Video and Photo	
8. Conversion camera	

6. HOW TO CONNECT THE Digital Camera TO A PC:

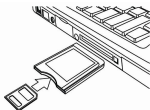
There are two ways to download files from the digital camera's internal memory or memory card to a computer:

By inserting the memory card into a card reader.

By connecting the camera to a computer using the supplied TYPE_C USB cable.

➤ How To Use The Card Reader:

1: Eject the memory card from the digital camera and insert it into a card reader that is connected to a computer.



- 2: Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.
- 3: Copy images from the card into a directory of your choice on the computer's hard disk.

➤ **How To Connect The Digital Camera To A Pc With A Usb Cable:**

- 1: Connect the included TYPE_C USB cable to the USB port of your computer and turn on the digital camcorder.
- 2: If "Charging Mode", "Mass Storage Mode", and "PC CAM Mode" are displayed on the camera screen, the connection is successful.
- 3: Select Charging Mode and press the OK button to enter the charging mode.
- 4: Select Mass Storage Mode and press the OK button to enter the Move disk mode. Open My Computer or Explorer. Double-click the mobile disk icon that represents the memory card. The files taken by the camera are saved in the DCIM folder. You can view and copy the files.
- 5: Select PC CAM Mode and press the OK button to enter the computer camera mode. Open the video tool

on the computer, you can make a video connection.

➤ **Connect to HDTV**

The HDMI port of this camera is limited to the HDTV connection, not the computer connection. Plug the public port of the HD cable into the HDMI port of the camera, and plug the other port into the HD input port of the HDTV. Caution Before connecting or unconnecting the HD cable, stop recording or playing the video (TV source should be adjusted to HDMI mode).

Note: After connecting the TV, the camera display content automatically switches to the TV, the camera screen automatically black screen, it is not a fault. The HD cable is suitable for mini HDMI cable.

7. TECHNICAL SPECIFICATIONS:

Image sensor	Front and rear dual camera 13 million pixel CMOS sensor chip
Still Image Size	64MP、48MP、36MP、24MP、20MP、16MP、13MP、8MP、5MP、3MP
Video Clip	5K/20FPS, 4K/60FPS, 4K/ 30FPS, 2.7K/60FPS, 2.7K/30FPS, 1080P/ 120FPS, 1080P/60FPS, 1080P/ 30FPS, 720P/240FPS, 720P/120FPS,

	720P/60FPS, 720P/30FPS
Rear lens	AF autofocus lens, F1.8, f=3.86mm, FOV 79°, focusing range: 6 cm ~ infinity
Front lens	Fixed lens, F1.8, f=3.86mm, FOV 79°, focusing distance: about 30 cm
Focusing mode	Auto /Manual /Fixed Focus
Display screen	4.0-inch IPS HD touch display
LED flash	Camera flash, video fill light
Flash mode	No flash, automatic flash, forced flash
WIFI	Support
Built in microphone & speaker	Support
External microphone	Wireless collar microphone (optional), Wired professional microphone (optional)
Additional mirror and hood	62mm threaded connection (optional)
Computer camera	Support
Memory card	Supports Micro SD cards up to 512GB
Digital zoom	18X Digital Zoom
Shooting	Normal Pic, Auto Pic, Continue Pic,

mode	Timed Pic, Normal Rec, Slowly Rec, Loop Rec, Time Rec, Video and Photo
Exposure compensation	+3.0 EV to -3.0 EV increments are 1.0EV
ISO	Auto/100/200/400/800/1600/3200/6400
White balance	Auto, Sunny, Cloudy, Incandescent, Fluorescent
Filter (color effect)	Color, Black and White, Negative, Antique, Red, Green, Blue, Dogeye, Infrared, High Saturation
Auto screen saver	Off, 3min, 5min, 10minutes
File format	JPG、MP4
OSD Language	Multiple languages are available
PC Interface	TYPE_C
HDMI Interface	Support
Power Source	1050mAH Li-Ion Battery
Supported O/S	Microsoft Windows XP, Vista, win7 above, Apple Mac10.5.8 above
Operating temperature	-20°C to +50°C
Storage Temperature	-30°C to +60°C
Dimensions &	approx. 143.5*100.5*98mm / 508g

Weight	(Includes battery and lens cover)
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8. Cleaning & Maintenance

1. If there is dust or dirt on the lens or the display screen, please gently wipe it with a clean and soft lint-free cloth (such as a micro-fiber cloth).

2. If the camera is not going to be used for a long time, please take out the camera battery and store it in a dry environment at room temperature.

3. Please fully charge and discharge the battery at least once every three months.

4. This camera is a precision equipment, do not let it fall or strong impact or vibration.

5. The display screen of this camera is a capacitive touchscreen. Just touch it gently with your finger. Avoid excessive pressing or touching it with hard or sharp objects to prevent damage to the product.

6. When this camera is used for a long time, the body and the screen will get hot, which is a normal phenomenon.

9. Troubleshooting Guide

1. Failure to power on

- a. Please check if the battery is installed correctly and try reinstalling it.
- b. Please check if the battery has power, or connect the charger to see if it can power on.

2. Failure to charge

- a. If the charging indicator light is not on, it means the charger is not plugged in. Please check if the charger is properly connected.
- b. Check if the battery is properly installed.
- c. It is recommended to charge the battery in an environment with a temperature between 10°C and 30°C.
- d. Please try replacing the charger or the charging cable.

3. Battery life is too short

- a. Check if the battery is fully charged.
- b. If the ambient temperature is lower than 10°C, the battery power will be consumed quickly.

- c. Battery life varies depending on the mode of use.

4. Memory card cannot be recognized.

- a. Please check whether the memory card conforms to Micro SD card (level 10 or above).
- b. Check whether the memory card is inserted incorrectly.
- c. The memory card is used on the camera for the first time, unformatted.
- d. You can try to format the Micro SD card on the computer first, and then insert the camera to format it.
- e. Replace the memory card.

5. Can't connect to the computer

- a. Check whether the USB cable is correctly connected
- b. Check whether the USB port of the computer works properly, or try to replace another USB port on the computer.
- c. Check the compatibility of your computer system.

FCC Caution:

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.

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

Note: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.