



COMPACT 5 - 20X

DAY & NIGHT DIGITAL
RIFLESCOPE

English / German / French / Russian / Spanish / Italian

www.HITTAC.COM

COMPACT 5-20X

DIGITAL DAY / NIGHT RIFLESCOPE

Safety Instructions

- ⊗ Do not look directly at the IR illuminator, as it may cause harm to the eyes
- ⊗ Prolonged operation of the IR infrared light generates excessive heat. Avoid pointing it towards flammable objects; The IR illuminator should be switched off when not in use
- ⊗ The allowed operating temperature is between -20~50°C
- ⊗ The riflescope contains electronic components. Do not attempt to disassemble the device by yourself; In case of a malfunction, please contact the manufacturer immediately

■ Description

CP258 Digital Riflescope is designed for outdoor hunting and can be used in all weather conditions. With its excellent day and nighttime image quality, aiming accuracy is much improved.

■ Package Content

- CP258 Riflescope
- Rail Accessories (M6,M4 screw, clips, lever, cleansing cloth)
- Eye Protector
- USB Cable
- User Manual

■ Specifications

Model	Compact 5-20X
Sensor Specifications	
Resolution , pixels	1920 X 1080
Frame Rate , Hz	60
Video Record Resolution , pixels	1920 X 1080
Optical Specifications	
Digital Magnification ,X	5 ~ 20
Eye Relief , mm	45
Diopter Adjustment , D	±5
Detection Range , m	400
Display Specifications	
Type	Micro - OLED
Display Resolution , pixels	1920 X 1080
Frame Rate , Hz	60
Battery Power Supply	
Battery Type	18650 Battery
Operating Time , h	8
External Power Supply	5V - Type C USB

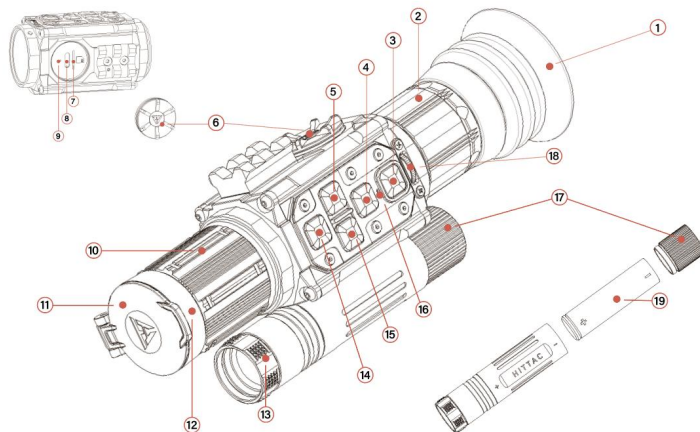
Model	Compact 5-20X
Physical Specifications	
Weight , g (Net)	410
Weight (including battery, clip, eye protector)	539
Dimensions, mm	201 *74 * 48
Micro SD card , GB	32 ~128 (U1/C10)
Degree of protection , IP code	IP67
Wi-Fi / App	Support (HITTAC)
IR Wavelength, nm	850/940
Infrared Power, W	5
Working Temperature, C	-20~50

■ Features

- High resolution imaging
- Video recording in: 1920 x 1080 60 Hz
- Micro-OLED HD display, 60 Hz
- Riflescope quick zeroing
- 3-Axis Gyroscope
- 3-Axis Accelerometer
- Picture-in-Picture function
- Full-color in low light
- Anti-backlight overexposure compensation
- Wi-Fi to app Direct Connection
- OTA firmware update through app
- Zeroing on app support

■ Controls

1. Lens Hood
2. Eyepieces
3. Power Button
4. Menu Button
5. Brightness Button
6. Side Knob
7. TF Card Slot
8. TYPE C Port
9. Charging Indicator
10. Focus Adjustment
11. Flip cap
12. Objective Lens
13. Illuminator
14. Record Button

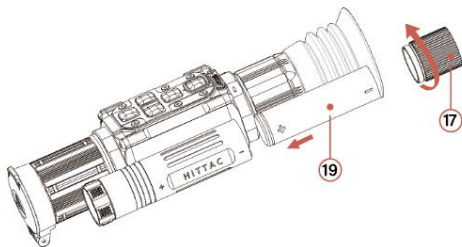


15. IR Mode Switch Button
16. Status Indicator
17. Battery Cap
18. Magnification Focus Knob
19. Battery

■ Power Supply

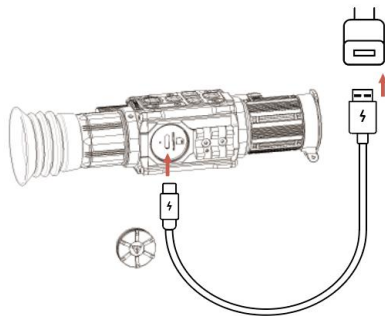
This product is powered by an external 18650 battery. It allows for operation for up to 8 hours. When the battery is low, it can be charged independently or by connecting it to the TYPE C port. Please note that it is recommended to fully charge the 18650 battery before the first use.

Installing the 18650 Battery



1. Open the Battery Cap (17) and pull it off.
2. Insert 18650 batteries into slots in orientation indicated "+" .
3. Apply pressure to Battery Cap (17) against battery "-" and turn it until fully tightened.

TYPE C Charging



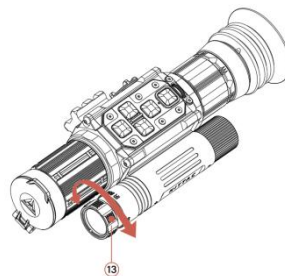
Note: To use TYPE C cable for charging, a power adapter (5V2A) is needed.

■ TF Card Slot



Open the Side Knob (6), insert the TF card in the slot (7)

Note: TF card insert to the direction as indicated






Rotate the Illuminator (13) to adjust the brightness




Note: Optimal focus enables maximum detection range

■ Indicator

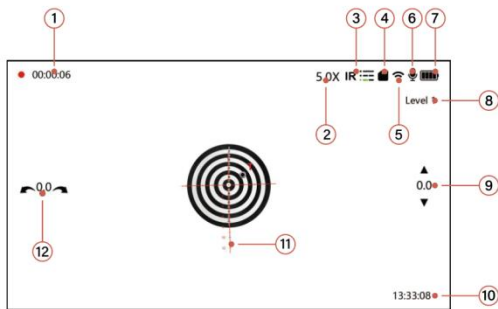
Indicator	Color	On	Flash
Charging (9)	Red	Charging	--
Status (16)	Blue	Working	--
	Yellow	Standby	Updating

■ Control Description

Button	Status	Short Press	Long Press	Rotation
Power Button ³ 	Off	--	On	--
	View Interface	Standby	Off	--
	Standby	Wake-up	--	--
	Zeroing Interface	Freeze/Continue	--	--
Menu Button ⁴ 	View Interface	Reticle Color Switch	Enter Menu Interface	--
	Primary Menu Interface	View Interface	--	--
	Secondary Menu Interface	Primary Menu Interface	--	--
IR Mode Switch Button ¹⁵ 	View Interface	--	Color Mode Switch	--
	Black/White Mode	IR Brightness Adjust	Color Mode	--
	Menu Interface	Move Cursor to the Left	--	--
	Zeroing Interface	Move Cursor to the Left	Save and Exit	--
	Time Setting Interface	Move Cursor to the Left	Save and Exit	--

Button	Status	Short Press	Long Press	Rotation
Brightness Button ⁵ 	View Interface	Display Brightness Adjustment	Wi-Fi On/Off	--
	Menu Interface	Move Cursor to the Right	--	--
	Zeroing Interface	Move Cursor to the Right	Exit Current Setting	--
	Time Setting Interface	Move Cursor to the Right	Exit Current Setting	--
Video Button ¹⁴ 	View Interface	Start Recording /Pause /Resume	Start Recording/End Recording	--
	Menu Interface	Move Cursor up and down	--	--
	Reticle Zeroing Interface	Reticle X/Y Value Adjust Once	Reticle X/Y Value Continuous Adjust	--
Magnification Focus Knob ¹⁸ 	View Interface	--	--	To Right Increase the Magnification/ To Left decrease the magnification
	Reticle Zeroing Interface	--	--	To Right Increase the Magnification/ To Left decrease the magnification

Interface Description



- ① Recording Indicator: The recording timer indicates that the device is currently recording; The displayed number on the timer represents the duration of the recorded video.
- ② Current Magnification (e.g.: 5.0 x).
The displayed icon indicates that the device is in black and white mode; otherwise in color mode.

③	IR:	Black and white mode; Illuminator off
	IR:	Brightness Level 1
	IR:	Brightness Level 2
	IR:	Brightness Level 3
	IR:	Brightness Level 4
	IR:	Brightness Level 5
	IR:	Black and white mode; Brightness will be adjusted automatically










- ④ TF card Card in; Card icon will not show when it is not in; recording is not possible without card
- ⑤ WiFi (Wi-Fi On, Wi-Fi Off)
- ⑥ Microphone. It decides whether sound will be included when recording
Microphone On Microphone Off
- ⑦ Battery Status







Icon	Status	Battery Status
	1 bar	10% ~ 20%
	2 bars	20% ~ 50%
	3 bars	50% ~ 80%
	4 bars	80% ~ 100%
	Charging	Connect Type C to charge

- ⑧ Level 1: Current Display Brightness (Level 1-5 with increasing brightness)
- ⑨ Gyroscope vertical drift
- ⑩ Current Time
- ⑪ Reticle
- ⑫ Gyroscope horizontal drift

■ Menu List

Long press Menu (4) for two seconds to enter Menu list; There are 15 menus in total; Using IR Mode Switch Button (15) and Brightness Button (5) to navigate through the menu options; Short press the Record Button (14) to confirm the selection

Icon	Description
	[Recording] Auto Video Recording after firing
	[PiP] PiP Window on View Interface
	[Wi-Fi] Wi-Fi On/Off
	[Reticle Zeroing] Reticle Zeroing
	[Color Boost Mode] Select Mode : Color boost/ Natural color
	[Compensation against Overexposure] With Night Mode, can compensate against overexposure
	[Sound Record Control] Control whether to include sound in recorded video
	[Loop Recording] Set Video Duration: 1 minute, minutes, 5 minutes or OFF (default 10 minutes)
	[Gyro] Gyroscope calibration

Icon	Description
	[Timestamp] Whether the timestamp is shown in recorded videos
	[Date and Time Settings] Set the current time and date
	[Auto Sleep] In auto sleep mode, the device will automatically power off after 10, 20 or 30 minutes of inactivity
	[Language Setting] Choose the language
	[System Settings] Can format the TF card and restore the factory settings Note: Formatting the TF card will erase all files stores on the card
	[Version Number] Current Version

■ Main Function Description

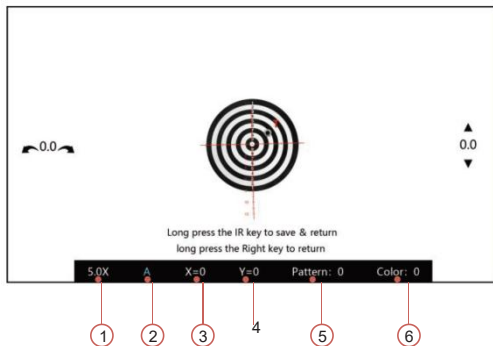
Reticle Zeroing

Long press the Menu Button (4) for 2 seconds to enter menu list.
Press the Brightness Button (5) to move cursor to Reticle Settings menu



Press Record Button (14), after entering Reticle Setting menu:

- Short press the Brightness Button (5) to move the cursor to the right; Short press the IR Mode Switch Button (15) to move the cursor to the left;
- Short press the Recording Button (14) to increase the current value by 1; Long press it without releasing to continuously increase the current value within the allowed range. Short press the Menu Button (4) to decrease the current value by 1; Long press it without releasing to continuously decrease the current value within the allowed range;
- Long press the IR Mode Switch Button (15) for two seconds to save and exit Reticle Zeroing; Long press the Brightness Button (5) to exit without saving;
- Short press the Power Button (3) to freeze/reactivate current image



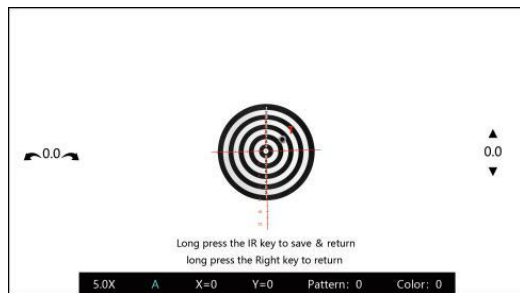
- 1 5.0x: Current objective magnification; adjustable with Magnification Knob (18)
- 2 A: Current weapon info.; 26 weapons (A-Z) profile save for reticle settings
- 3 X=0: Current coordinate point of reticle in the horizontal direction
- 4 Y=0: Current coordinate point of reticle in vertical direction
- 5 Pattern: 3 reticle patterns, [0] front reticle, [1] and [2] back reticle
- 6 Color: 4 colors for option in white(0), green(1), red(2), yellow(3)

Reticle Zeroing

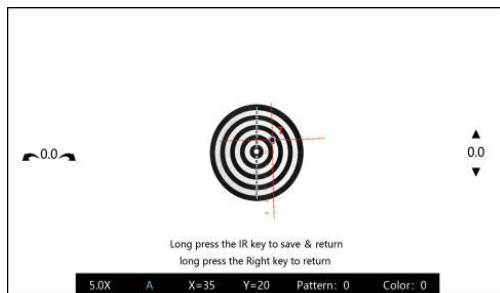
Example

Placing a target at a distance of 50 meters, turn the Focusing Adjustment (10) to ensure that the Objective Lens (12) provide a clear view of the target; Align the crosshairs with the target for shooting. The bullet will create an impact point (T). Keep the current aiming point unchanged, briefly press the Power Button (3) to freeze the current image. Move the **X** and **Y** coordinates of the reticle to align the center point precisely with the impact point (T).

Note: Once the reticle has been changed (moved, pattern or color changed), the magnification cannot be adjusted



(Before Zeroing)



(After Zeroing)

Image Quality Enhancement Function

Multiple image qualities: natural images and color-enhanced images



(Natural Mode: Reproduce the image as what human eye sees in real life)



(Color Boost Mode: Image with enhanced color)

Compensation against Overexposure

When hunting at night, the target can be difficult to see clearly due to the excessive brightness from illuminator. This feature may be used to obtain a clear view of the target.



(Overexposure Compensation Disabled)



(Overexposure Compensation Enabled)

■ App Instruction

Please download "HITTAC" app by scanning the QR code below or searching and downloading it from the App store;

For Android phones, please go to [Google Play Store](#)

For iOS phones, please go to [Apple Store](#)

Search for "HITTAC" to download the app.



Android Application



iOS Application



App Connection and Use

【Step 1】 After turning on the device, press and hold the Brightness Button (5) for two seconds to turn on Wi-Fi, the account (starting with CP258) and password (12345678) can be seen on the display

【Step 2】 Go to Wi-Fi setting on the mobile phone, find the device and connect

【Step 3】 Open the "HITTAC" App to start using it; (Usage instruction is included in the App)

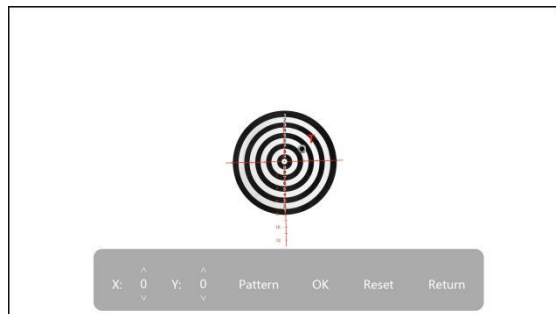
Firmware Update

Using the "Firmware Update" feature on the app to perform online OTA updates

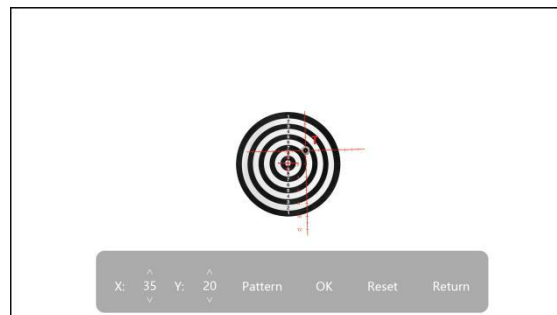
Reticle Zeroing on App

Tap the icon  on App. When in landscape mode, short press Power Button (3) to freeze current image;

Swiftly move your finger from the reticle center point to the point of impact on the phone; Precise adjustment of coordinates X and Y can be done by tapping the up and down arrow on the App. Once the reticle center point and the point of impact is perfectly aligned, click "OK" to complete the current Zeroing.



(Before Zeroing)



(After Zeroing)

■ FCC WARNING

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

