



InfiRay DP09 Thermal Imaging Monocular with Camera Instruction Manual

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**InfiRay DP09 Thermal Imaging Monocular with Camera
Instruction Manual**





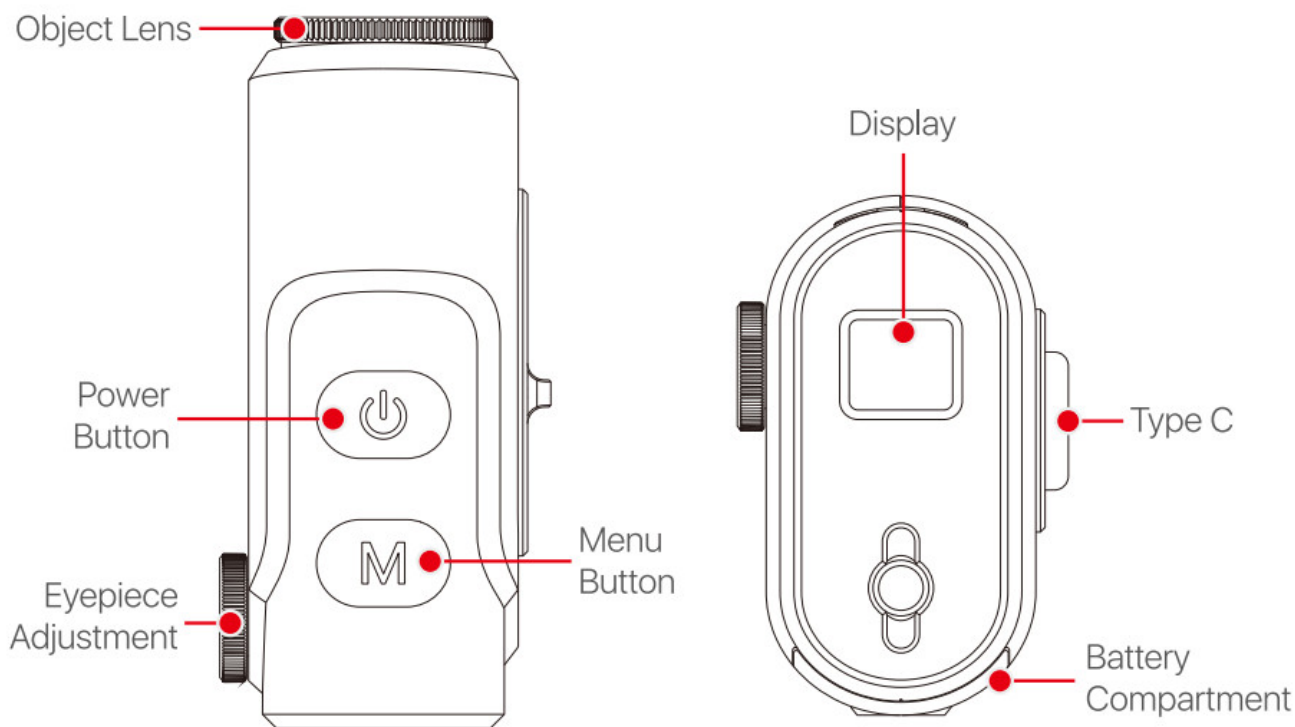
Part 01: DV Series

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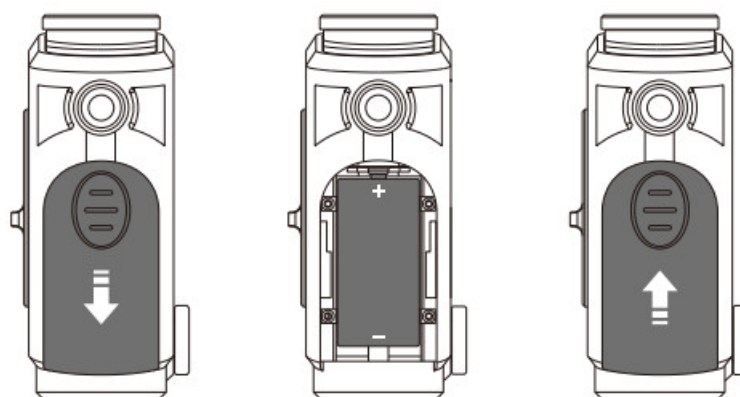
DESCRIPTION

The DV series is a small-sized thermal imaging camera. Connecting with the smartphone for photographing and video recording, this device features with infrared thermal imaging, small size, and low power consumption.



BATTERY INSTALLATION

- As show in the picture, push backward the battery compartment cap to remove it.
- Then, insert a CR123 battery into the battery compartment as labeled in the picture, anode in the front and cathode in the back;
- Push the cap forward until the cap closes.



Notice

* This device only supports 3.7V batteries;

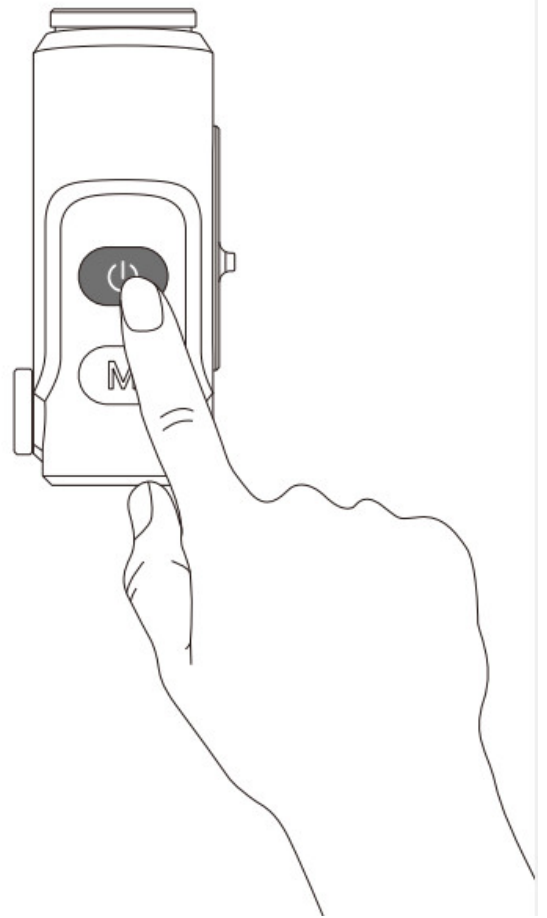
* Connecting with a smartphone will power the device, but the installed battery cannot be charged.

OPERATION

Power On/Off

Press and hold down the Power button for about 2 seconds until the splash screen appears, the device is turned on.

Turn the device off after use with a long press of the Power button for about 2 seconds until the countdown on the screen disappears.



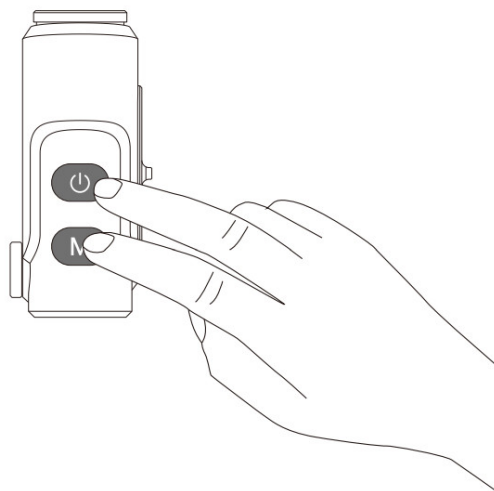
Standby Mode

On the home screen, short press the Power button to enter standby mode (screen turns off and chipset standby). Press the Power button again to wake up the device.

Status Bar

The status bar is located at the top of the home screen. Status including magnification, brightness, etc. is on the top left, and battery status is on the top right.

Calibration



When the image is degraded or uneven, it can be improved by calibration. On the home screen, short press the Power and Menu Button to calibrate manually.

Shortcut Menu

On the home screen, short press the Menu button to switch among the following modes: Shortcut 1- Shortcut 2- Shortcut 3-Home screen. In the shortcut menu interface, the status information of the current menu is indicated as icons or numbers on the center of the screen. Short press the Power button to circle the current state.

Shortcut 1: Switch the Imaging Mode among White Hot – Black Hot Red Hot — Pseudo Colour



White Hot



Black Hot

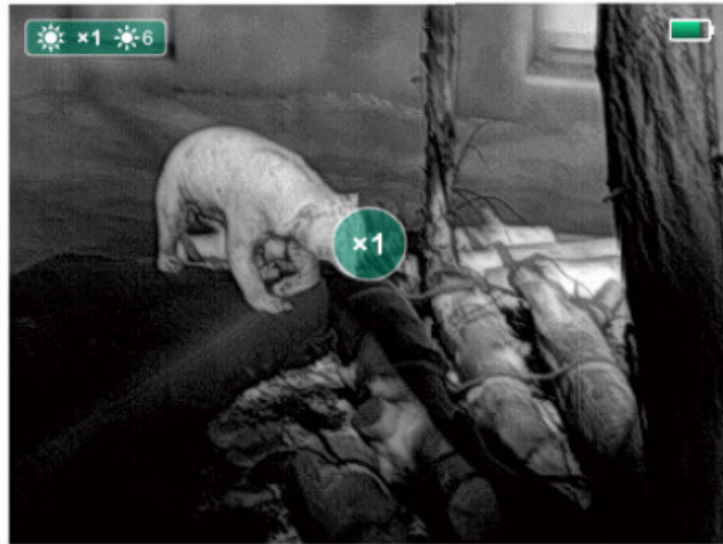


Red Hot



Colour

Shortcut 2: Switch the E-zoom among x1 – x2.

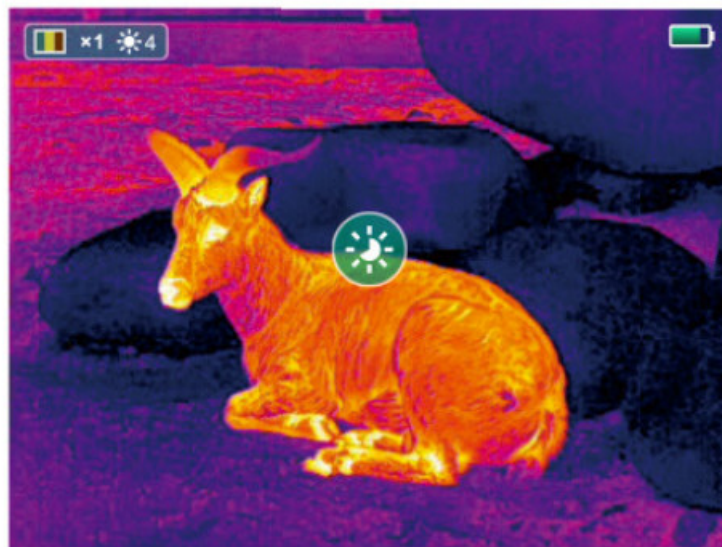


x1



x2

Shortcut 3: Switch the Screen Brightness among six levels.



B1



B2



B3



B4



B5



B6

SPECIFICATION

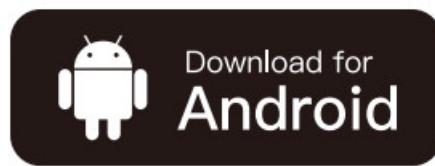
Model	DP09
Resolution	256×192
Pixel size, μm	12
Object lens, mm	9
Field of view, °	19.614.7
NETD, mk	<50@ 25°C, F#1.0
Frame refresh, Hz	25
Operating temp., °C	– 10 ~ +50
Temp. connection	Manual/ Auto
Battery type	700mAh
Digital zoom, x	1/2
Consumption, mW	600 ± 100
Weight(without battery). g	<85
Dimension, mm	77×56 x 36
USB type	Type-C



Part 02: APP

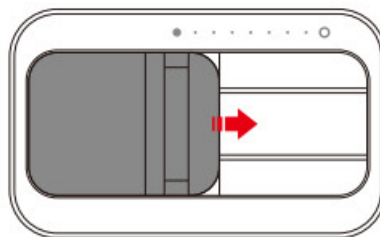
APP INSTRUCTIONS

Install APP



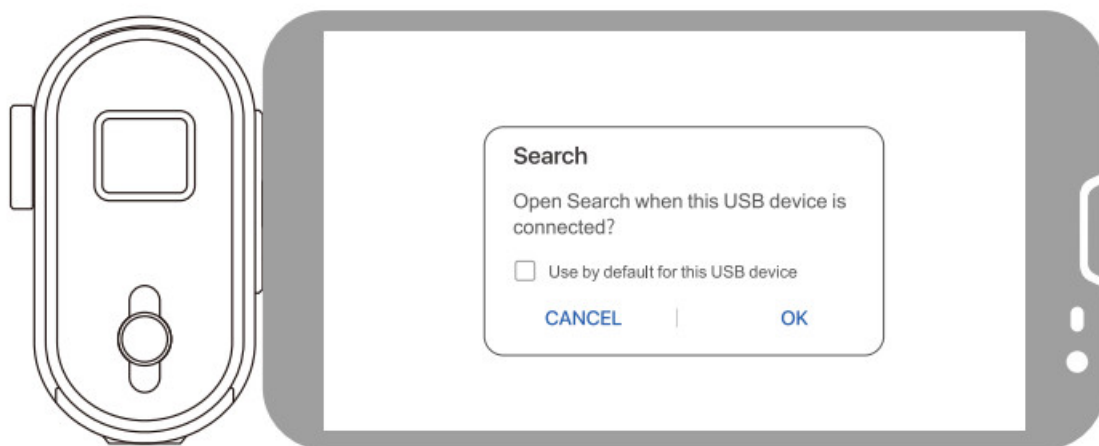
Search and download Android App Search in Google Play.

Connect to Device








Slide on the Type C port of the DV camera, and insert it into a smartphone.

Once connected, the device turns on automatically. Meanwhile, there is a prompt appearing on a smartphone as shown in the picture below. Click "Ok" to operate the device via the screen of smart phone, meanwhile disable buttons on your device.




CAUTIONS

	Avoid looking directly at high radiation sources (such as solar).
	Avoid collision with the camera.
	Don't touch the device and USS port with wet hands.
	Don't bend or damage relevant cables.
	Don't unscrew the lens when seeing the red ring.

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Documents / Resources

	InfiRay DP09 Thermal Imaging Monocular with Camera [pdf] Instruction Manual DP09, Thermal Imaging Monocular with Camera, Imaging Monocular
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