

DVX INC. · PREMIUM NIGHT VISION

SEE WHAT OTHERS CAN'T.



USER MANUAL



NIGHT STORM

4K Pro Night Vision

USER MANUAL · V1.0



RED DOT DESIGN AWARD
WINNER · 2024

A STARLIGHT-GRADE CMOS SENSOR

THE PERFECT FUSION OF ULTRA-CLEAR NIGHT VISION AND OUTSTANDING PERFORMANCE

Night Storm employs infrared imaging technology, featuring 4K video recording with sound, enabling clear 52MP image capture during the day, in low light, or at night. With 8× digital zoom and a starlight-grade CMOS sensor with infrared illumination, it ensures outstanding visibility and clarity.

KEY FEATURES · INFRARED

ACTIVE INFRARED ILLUMINATION

01 · HIGH-POWER INFRARED LIGHT

HIGH-POWER INFRARED LIGHT

Capable of generating a powerful infrared beam. The concentration of light varies with observation distance: the closer the target, the more concentrated the beam — producing a narrower field. The farther the target, the more dispersed the beam — producing a wider field.

Recommendation. For long-distance observation, switch on the infrared light to obtain a clearer nighttime image.

02 · LONG-DISTANCE ILLUMINATION

LONG-DISTANCE ILLUMINATION

For optimal illumination and night-vision performance, use the infrared light at distances beyond 50 m.



TACTICAL LIGHT

BUILT-IN TACTICAL LIGHTING

Night Storm is equipped with a built-in tactical light — a versatile lighting solution with a special strobe usable as a distress signal, providing additional safety during outdoor adventures and emergencies.

KEY FEATURES

01 · Multifunctional Lighting

Supports both steady and flashing modes, so users can adapt to the illumination needs of different scenarios.

02 · Integrated Design

Seamlessly integrated with the night-vision device — no additional installation, simpler operation, greater portability.

03 · High-Performance LED

A high-brightness LED light source delivers stable, uniform illumination for clear visibility during nighttime operations.

04 · Distress Signal

The flashing mode functions as a distress signal — attracting attention from nearby personnel in emergencies.

USE · OUTDOOR EXPLORATION

Reliable illumination through complex terrain at night; flashing mode doubles as a distress signal.

USE · EMERGENCY RESPONSE

Serves as an emergency lighting tool and visual distress beacon during accidents or unplanned situations.

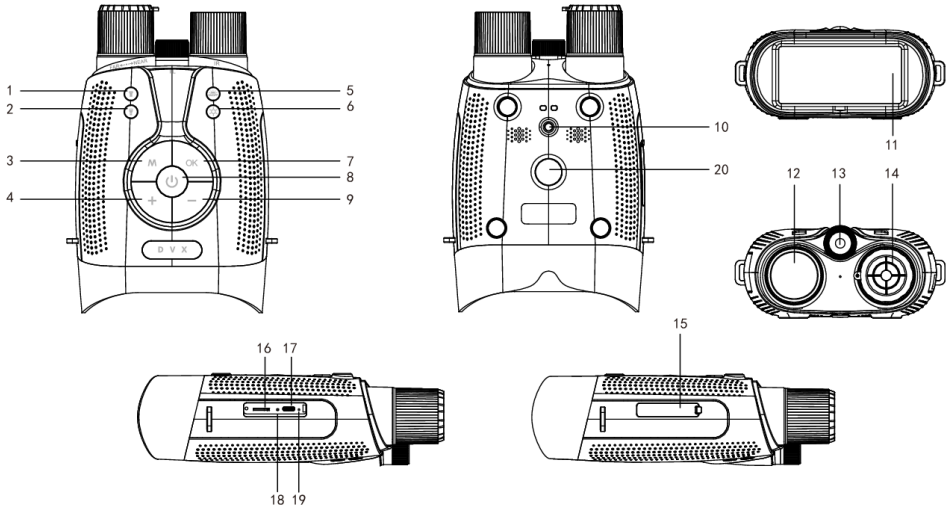
REFERENCE

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01

PRODUCT OVERVIEW



THE KEY OPERATION FUNCTIONS ARE AS FOLLOWS

- 01

Flashlight constant-on button
- 02

Flashlight burst mode button
- 03

Menu
- 04

IR Up / Zoom In / UP Button
- 05

Button light key
- 06

IR Mode
- 07

OK / Shot Button
- 08

Power / On / Off
- 09

IR Down / Zoom Out / Down Button
- 10

Fixed Bracket Hole
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Display Screen
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Infrared Emitter
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Charging Card Slot
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TF card slot
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Type-C port
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Reset Button
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Charging indicator light
- 20

Thermometer

Flashlight function

Remarks: This function can be used when the machine is not turned on.

Power On State	Lighting State	Function	Notes
Light	Constant Light Flashlight emits constant light at maximum power of 1 W.	General illumination in low light and dark areas.	Turn off the light promptly when the flashlight is not in use to prevent excessive discharge.
Flash	Flashlight emits strobe light at power of 0.5 W, with a frequency of 8 Hz.	Attract attention and for tactical use.	Avoid shining the flashlight directly into your own eyes or others' eyes.

02

QUICK START GUIDE

- 01



POWER BUTTON

Default is video mode. Short-press to switch to photo capture or playback mode.
- 02



SETTING / M

Short-press to adjust settings. Note: resetting to factory defaults will restore firmware parameters.
- 03



+ / - KEY

Adjust focus in photo or video mode; move settings up or down; navigate photos left or right in playback.
- 04



FLASHLIGHT BURST

Short-press the flashlight button to turn on burst (high-beam) mode; short-press again to turn it off.
- 05



FLASHLIGHT CONSTANT-ON

Short-press to switch the high-beam flashlight to steady mode. Press again briefly to turn it off.

CONTINUED

- 06



INFRARED LIGHT MODE

Adjust the infrared light in photo or video mode to suit night-time requirements. Four adjustable levels.
- 07



OK BUTTON

Select parameters to modify; short-press OK to confirm changes.
- 08



BUTTON LIGHT KEY

Tap to turn the button lights on or off.
- 09

RESET BUTTON

Hidden hole located between the USB-C port and the TF card slot.
- 10

CHARGING INDICATOR

Small hidden hole to the right of the Type-C port. Red while charging; turns green when fully charged.

03

OPERATIONAL INSTRUCTIONS

Photo Capture Mode

- 1. Default mode is video recording after power on. Short press "**Power**" to switch to photo capture mode. Align the lens with the target, adjust the focus by observing the screen, and press "**OK**" to take a photo.
- 2. Long press "+" or "-" to zoom in or out. The zoom value is displayed on the screen. Adjust the lens focus by rotating it for clear imaging according to the screen display.
- 3. In low light or night conditions, press "**IR**" to activate night mode. Short press to enter four levels of infrared mode for adjustment.

Video Recording Mode

- 1. Default mode is video recording after power on. Long press "+" or "-" to zoom in or out. The zoom value is displayed on the screen. Adjust focus by rotating the focus wheel for clear imaging according to the screen display.
- 2. In low light or night conditions, press the infrared light mode key to activate night mode. Short press to enter four levels of infrared mode for adjustment.
- 3. To record video, press "**OK**" to start recording. The recording duration will be displayed in the upper left corner of the screen. Press "**OK**" again to stop recording.

Playback Mode

- 1. Press the "**Power**" switch to switch to playback mode.
- 2. View images by tapping "+" or "-" to switch between browsing images and viewing video files.
- 3. When replaying a recorded video, press "**OK**" to play, and press "**OK**" again to stop playback of the current video.
- 4. "**M**" is the file deletion option. Select the file or video to be deleted, press "**OK**" to confirm; to exit playback, briefly press the power button to switch back to photo or video mode.

WIFI Mode

- 1. Briefly press "**M**" to enter the settings menu and enable WiFi mode. Press "**M**" again to return to the main screen.
- 2. Scan the QR code displayed on the main screen with your phone to download the app. Connect your phone to the WiFi (Name: NightStorm, Password: 12345678).
- 3. Open the app and click "Connect to Recorder" to experience the night vision feature on your phone. To disconnect, briefly press "**M**" to enter the settings menu and disable WiFi mode.



Note:

- 1. If there is no operation, the system will automatically shut down after 5 minutes by default. You can set the duration or disable this feature in the settings mode. When the memory is full, the device will automatically stop recording.
- 2. During video recording, if switching between infrared light mode and color mode, the current recording will end, and a new recording will automatically begin.

Setting menu and function description

After power on, tap "**M**" to set machine functions and parameters.

BRIGHTNESS	Set the screen brightness. The default level is 6, with 8 levels available: 1, 2, 3, 4, 5, 6, 7, 8.
WIFI	Disabled by default. To enable, connect to the phone via the app.

DATE STAMP	Default on.
DATE / TIME	Enter the setting interface, short press “+” or “-” to enter date/time settings. “+” Button: for increasing the year/month/date/hour/minute/seconds “-” Button: for decreasing the year/month/date/hour/minute/seconds Press “OK” to confirm the year, then the system will automatically shift to the setting of the month etc.
PICTURE IN PICTURE	Default off.
LOOP RECORDING	Default off. When enabled, old files will be loop-deleted to record new files when the card is full. When disabled, recording will stop when the card is full. There are five options: OFF, 1 minute, 3 minutes, 5 minutes, and 10 minutes.
AUDIO RECORDING	Default on.
RESOLUTION	To adjust the video resolution of the device, enter the settings interface, select video resolution, and briefly press “+” or “-” to choose the desired resolution. The available modes are 4K, 2K, and FHD.

IMAGE SIZE	Choose the pixel resolution of photos. Enter the setting interface, select photo resolution, short press “OK” to confirm, short press “+” or “-” to choose from 52M / 48M / 42M / 36M / 32M / 30M.
AUTO POWER OFF	Set automatic shutdown time. Default is 5 minutes. Choose from 1 minute, 3 minutes, 5 minutes, 10 minutes, and disable options. The machine will automatically shut down after 5 minutes of idle time to save power.
FREQUENCY	The default is 60 Hz, with options for 50 Hz and 60 Hz.
LANGUAGE	Supports 12 language options including: • Simplified Chinese • Traditional Chinese • Portuguese • English • Japanese • Korean • French • German • Italian • Spanish • Russian • Arabic
BEEP SOUND	Set the volume. Default is medium. Choose from low, medium, high and off.

FORMAT	Format TF card, deleting all video, picture, and recording files.
DEFAULT	Restore default settings.
VERSION	Firmware version information.

How to Connect the Device to a Computer via Card Reader or USB Cable

Card reader

Remove the TF card from the device, then insert it into the card reader. Connect the card reader to the computer via USB.

USB-C wire

- 1. Turn off the device, insert the TF card into the device, connect the device to the computer via USB, and then turn it on again.
- 2. Open “My Computer” or Windows Explorer, open the TF card removable disk.
- 3. Open the disk and copy files from the storage card to the computer, desktop, or other disk for viewing.

04 PRECAUTIONS

- 1. When turning on the flashlight, avoid shining it directly into your own eyes or others’ eyes.
- 2. When the flashlight is not in use, promptly turn off the light to avoid excessive discharge and battery damage.
- 3. Do not apply excessive force to the product; do not clean the product with water or other chemicals; use a soft cloth to clean the product surface.
- 4. Do not expose the product to direct sunlight or place it in a heated environment; keep it away from high and low-temperature environments.
- 5. Avoid strong vibrations or impacts on the product; ensure safe placement to prevent accidental touch or falling for children.
- 6. Do not disassemble the device without authorization; contact the dealer for any questions; improper disassembly will void the warranty.
- 7. Changes in product performance and functions may occur without prior notice; if there is any inconsistency between the manual and the actual product, rely on the actual product.
- 8. Do not use the product in areas where the use of electronic devices is prohibited, such as on an airplane.
- 9. Battery Charging Notes:
 - The product battery uses a polymer lithium battery that can be recharged. Charge the product every 3 months if not in use for a long time.
 - The lithium battery must be replaced by customer service personnel; users cannot replace it themselves (Note: Incorrect battery replacement may cause explosion; only use the same type or equivalent type of battery for replacement); dispose of used batteries to professional organizations for recycling.
 - Charging: Use the included adapter for charging. During charging, the product will warm up, which is normal.

05

SPECIFICATION PARAMETERS

MODEL	Night Storm
DISPLAY SCREEN	3-inch screen
LENS	42 mm, F/1.4 Large aperture
IR	4 levels of infrared setting
FUNCTIONS	Recording, Photo Capture, Album Playback, Flashlight
FLASHLIGHT FUNCTION	Constant Light at Maximum Power of 1 W, Strobe at Maximum Power of 0.5 W
DISPLAY BRIGHTNESS	8 adjustable levels
DIGITAL ZOOM	8x digital zoom
LANGUAGE	12 countries optional

CONNECTION INTERFACE	Type-C
MAXIMUM OUTPUT	DC-5V/2A
OPERATING BUTTONS	9 function buttons
STORAGE CAPACITY	Max 512 GB (TF card file system FAT32)
CHARGING INTERFACE	Type-c
POWER SUPPLY	5000 mAh lithium battery
OPERATING TEMPERATURE	-20°C – 60°C
DIMENSIONS	153 mm × 220 mm × 68 mm
BARE MACHINE WEIGHT	905 g



DESIGNED IN CALIFORNIA



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