

DVX INC. · PREMIUM NIGHT VISION

SEE WHAT OTHERS CAN'T.



USER MANUAL



X3 PRO

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

The X3 Pro employs infrared imaging technology, featuring 4K+ video recording with sound and high-resolution still 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.

What 4K+ means. The starlight-grade sensor resolves beyond 4K: the recording menu runs from 1080P through 4K and 5K to 6K (full list, page 18). Advanced electronic image stabilization is active at 4K and 5K; 6K runs basic stabilization.



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

The X3 Pro 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.

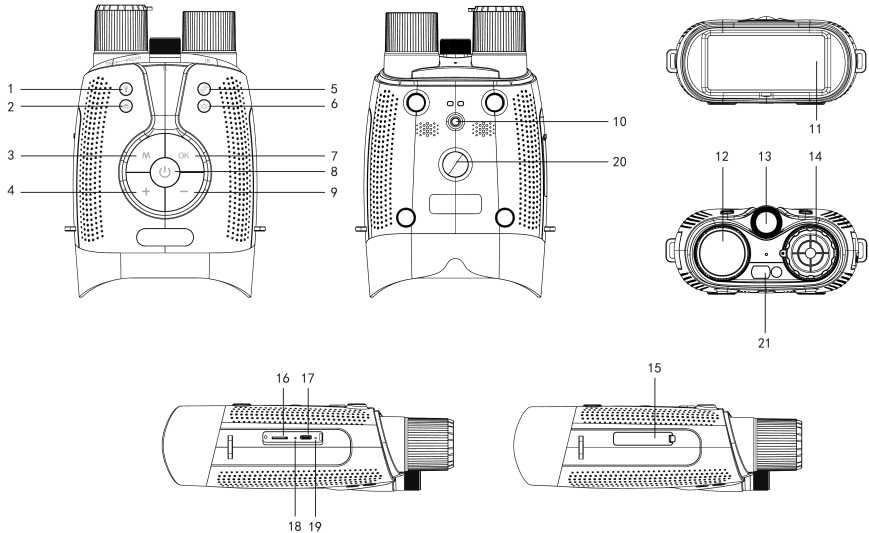
REFERENCE

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01

PRODUCT OVERVIEW



THE KEY OPERATION FUNCTIONS ARE AS FOLLOWS

- 01

Flashlight Button
- 02

Button Light Key
- 03

Menu
- 04

Zoom In / Up Button
- 05

Distance Measurement Button
- 06

IR Mode
- 07

OK / Shot Button
- 08

Power / On / Off
- 09

Zoom Out / Down Button
- 10

Fixed Bracket Hole
- 11

Display Screen

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Infrared Emitter

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Flashlight Tube Position

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Lens

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Charging Card Slot

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TF Card Slot

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USB-C Port

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Reset Button

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Charging Indicator Light

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Thermometer

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Distance Measurement

Flashlight function

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

Power On State	Lighting State	Function	Notes
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 BUTTON
Short-press for high-intensity constant light; press a second time for strobe mode; press again to turn it off. |
| 05 |  | DISTANCE MEASUREMENT
Short-press to measure; the distance value shows on screen and clears after about 5 seconds. Short-press again to re-measure. Recommended range: over 5 m. |

CONTINUED

- | | | |
|----|---|---|
| 06 |  | INFRARED LIGHT MODE
Short-press to adjust the infrared light in photo or video mode to suit night-time requirements. The first press enters fog penetration mode; each further press steps through infrared levels 1 to 4 — see 11 below. |
| 07 |  | OK BUTTON
Select parameters to modify; short-press OK to confirm changes. |
| 08 |  | BUTTON LIGHT KEY
Short-press 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 USB-C port. Red while charging; turns green when fully charged. |
| 11 |  | FOG PENETRATION MODE
Short-press the infrared control switch to enter fog penetration mode; short-press again to move on to infrared level 1. Cuts through fog, haze, mist or smoke — enhances contrast and edge definition so distant subjects stay readable in low-visibility conditions. |

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. The first short-press enters fog penetration mode; short-press again for infrared levels 1 to 4.

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. The first short-press enters fog penetration mode; short-press again for infrared levels 1 to 4.
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. Press **"M"** once during recording to lock the video; press it again to enter settings.

Playback Mode

1. Press the **"Power"** switch to switch to playback mode.
2. Short-press **"+"** 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, short-press the power button to switch back to photo or video mode. To delete locked videos or photos, short-press **"M"** to select "Protect", then unlock them in the corresponding menu.

WiFi Mode

1. Short-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: X3Pro, Password: 12345678).
3. Open the app and click **"Connect to Recorder"** to experience the night vision feature on your phone. To disconnect, disable WiFi mode in the settings menu. During recording, short-press **"M"** once to lock the video and again to open the menu — or press **"OK"** to stop recording first, then short-press **"M"**.



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. Switching between infrared light mode and color mode during video recording does not interrupt the recording.

Setting menu and function description

After power on, short-press **"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 short-press “+” or “-” to choose the desired resolution. The available modes are 6K, 5K, 4K, 2K and 1080P. Default is 6K . Electronic image stabilization runs in advanced mode at 4K and 5K, and in basic mode at 6K, so 4K or 5K is recommended for handheld and moving shots.

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 96M / 72M / 52M / 48M / 42M / 36M / 32M / 30M. Default is 96M .
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	Default is English . Supports 12 language options, listed in the order they appear in the device menu: • English • German • French • Italian • Spanish • Portuguese • Russian • Simplified Chinese • Traditional Chinese • Japanese • Korean • Arabic
BEEP SOUND	Set the volume. Default is medium. Choose from low, medium, high and off.
COMPASS	Default on. Press “OK” to toggle on or off. When on, the current heading is shown on the live view. Calibrate after a reset — see page 20.
ATMOSPHERIC PRESSURE	Default on. Press “OK” to toggle on or off. When on, the barometric sensor shows the current air pressure and derived altitude on the live view.

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 Cable

- 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.

Compass Calibration Procedure after Reset

- 1. **Horizontal Calibration:** Keep the device horizontal, then slowly and evenly rotate it on the spot for 3 to 5 full 360° revolutions.
- 2. **Full Attitude Flip Calibration:** Tilt the device up and down, roll left and right, and slowly flip the whole unit in a figure-eight motion to cover all six planes (top, bottom, front, rear, left and right).
- 3. **Confirming calibration:** Calibration is complete when the bottom of the screen shows “**Correction 3**”.

If obvious deviation still exists, repeat the calibration process 2 to 3 times.

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.
- 10. For playback on a computer: play 5K and 6K video with an H.265 player, and 4K or lower-resolution video with an H.264 player.

05

SPECIFICATION PARAMETERS

MODEL	X3 Pro
DISPLAY SCREEN	3-inch screen
LENS	42 mm, F/1.4 Large aperture
IR	4 levels of infrared setting
VIDEO RESOLUTION	4K+ — 1080P / 2K / 4K / 5K / 6K
FUNCTIONS	Recording, Photo Capture, Album Playback, Flashlight, Distance Measurement, Compass, Barometer
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	8× digital zoom
IMAGE STABILIZATION	Advanced at 4K / 5K · Basic at 6K

LANGUAGE	12 languages, English by default
CONNECTION INTERFACE	USB-C
MAXIMUM OUTPUT	DC-5V/2A
OPERATING BUTTONS	9 function buttons
STORAGE CAPACITY	Max 512 GB (TF card file system FAT32)
CHARGING INTERFACE	USB-C
POWER SUPPLY	5100 mAh lithium battery
OPERATING TEMPERATURE	−20°C – 60°C
DIMENSIONS	153 mm × 220 mm × 68 mm
BARE MACHINE WEIGHT	930 g



DESIGNED IN CALIFORNIA



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4K+ Pro Night Vision

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