



NITEVIZOR® VP200XTR



USER MANUAL

NITEVIZOR VP200XTR

Thank you for choosing the NITEVIZOR VP200XTRXTR. Please read the user manual carefully before using the VP200XTR.

Important Safety Information

1. Never look directly at the IR fill light when illuminated.
2. Do not leave the product un-supervised with persons under the age of 16.
3. Do not aim the IR fill light at combustible objects at close range.
4. Turn off the IR fill light or adjust it to sleep mode if it will not be used for a period of time.
5. Never leave on charge unattended.
6. This product is designed to be used with an optical scope which possesses a focusing function (AO or side focus).
7. Due to the design of its optical path, some optical telescopes may not be compatible.

Contents

- VP200XTR main unit.
- Adjustable scope adaptor ring.
- 2x 18500 Lithium Batteries.
- USB Data Cable.
- 2x Hex Wrenches.
- 2x Battery Extension covers for use with 18650 Lithium Batteries.
- Rail mount telephone holder.



Setup

Battery Installation

Unscrew and remove the battery covers and insert two flat-head 18500 or 18650 3.7v lithium-ion rechargeable batteries, with positive poles facing inward, and then replace the battery covers.

Micro SD Card Installation

To record video and take photos, install a Micro SD card in the slot on the unit. The VP200XTR supports up to 32gb Micro SD cards.

Initial Adjustments

With the batteries inserted and the VP200XTR powered on, adjust the diopter by rotating the diopter adjusting knob of the night vision viewer ocular until you can see the text icons at the four corners of the screen.

Adjust the focusing wheel until the target image is clear. If mounted on an optical telescope, install the scope adaptor ring behind on the ocular of the telescope (see below), then rotate the focusing wheel until the crosshairs of the telescope can be seen clearly.



Optical Telescope Installation

Install the scope adaptor ring on the rear of the VP200XTR using the bayonet connection, then mount the unit to the ocular (rear) of the telescope. The scope adaptor ring can be used on oculars of diameter 45mm and smaller.

We strongly advise to wrap the ocular in electrical tape to avoid damage to the telescope.

Turn the focusing wheel of the VP200XTR until the image is clear, then gently tighten the hex screws until snugly fitted. Do not overtighten.

The VP200XTR can now be removed and installed using the scope adaptor ring bayonet fitting by holding down the release button and turning 30°.

Charging

The lithium batteries can be charged via the USB interface. For more efficient charging please use an external battery mains charger.



Operating the VP200XTR

Power

Press and hold the Power button for approximately 1 second to turn the unit on. The power indicator is solid when the power is on.

Sleep Mode

With the unit powered on, press the Power button briefly to switch between Sleep and Power modes. The power indicator is solid when the unit is in Sleep Mode.

Ocular Focusing

Ocular focusing or diopter adjustment enables users with varying eyesight to see a clear image. Turn the ocular focusing wheel until the text icons are sharp. Please note the image displayed will not be clear until the Objective Lens has been focused (see below).

Objective Lens Focusing

Aim the VP200XTR at a target and adjust the Objective Lens Focusing wheel until the image is sharp.

Fill Light Adjustment

In IR mode, press the IR Shift Button to adjust the level of IR fill light. The display will show IR 1-3 or OFF.

Menu Operation

Press the Menu/OK button to access the VP200XTR menu system. Use the Up and Down button to select menu items and the Menu/OK button to select, enter or confirm.

Color Selection

Use the Up and Down buttons to select Positive or Negative images then confirm by pressing the Menu/OK Button, then choose between Normal, Black & White, Green, Yellow or Blue modes.

Calibration Mode

Use the Up, Down, Left and Right buttons to adjust the crosshair position, then confirm with the Menu/OK Button.

Accuracy Calculation

Select between Manuel or Auto Accuracy Calculation modes. Confirm with the Menu/OK Button.

Cross Line

Use the Up and Down buttons to select the desired crossline (crosshair reticle) and confirm the selection with the Menu/OK button.

In Range Mode, Hold down the Menu/OK button to change the reticle colour.

Unit Switching

Select Meters or Yards and confirm with the Menu/OK button.

Moving Image

Use the Up, Down, Left and Right buttons to move the position of the image on the screen. Confirm with the Menu/OK Button.

LCD Brightness

Select between 8 levels of brightness and confirm with the Menu/OK Button.

Photo Setting

Select between 5, 3 or 2 megapixel photo resolution and Single, 2-burst or 3-burst modes. Confirm with the Menu/OK Button.



Movie Setting

Select between Video Resolutions of 1080P, 720P or D1 and Loop Video: Off, 3min or 5min. Confirm with the Menu/OK Button.

Playback

Use this function to playback existing video files.

Language Settings

Select the desired display language and confirm with the Menu/OK Button.

Auto Off

Select between Off, 1min, 2min or 3min and confirm with the Menu/OK Button.

Date & Time

Set the current Date and Time and confirm with the Menu/OK Button.

Default Setting

Select using the Menu/OK Button to restore the device to Factory Settings.

Version

Displays the current firmware version.

Exit

Select to Save changes and exit the menu system.

Shortcuts

The buttons on the VP200XTR are multi-function: press once for the function before the dividing line (/), and hold down for 1 second for the function after the dividing line.

Crosshair / Ranging Mode Button

Press once to display/hide the crosshair reticle, hold down to open/close the Ranging Mode.

Zoom / Wi-Fi Button

Press once to adjust the digital zoom between x2, 3x and x4, hold down to enable and disable the Wi-Fi

IR Fill / Red Dot Indicator Button

Press once to switch on and off the IR fill and rotate between level 1 to 3 brightness settings, hold down to switch on and off the Red Dot Indicator.

Menu/OK Button

Press once to display the Menu and confirm selections, hold down in Menu Mode to return/exit.

Photo/Record Button

Press once to take photos, hold down to start Video recording. Press once to stop Video Recording.



Wi-Fi Operation

1. Download the VisionBank app from the iOS app store or Google Play Store and install on your device.
2. On the VP200XTR hold down the Wi-Fi button. The Wi-Fi login screen will display and the Wi-Fi will be activated.
3. On your device, connect to the N-Vision-XXXXXXXXXXXX device. The default password is 12345678
4. Once connected, open the VisionBank app on your device. You will now be able to view and control the VP200XTR.

Use the included rail-mount to install a mobile telephone on the VP200XTR for heads-up visibility.



Technical Specification

- Magnifying Power: x4
- IR Wavelength: 850nm
- IR Power: 5w
- IR Fill Distance: 200m
- Photo Resolution: 3072x1728
- Sleeve Size: 45mm or smaller
- Eyepiece Resolution: 454x454x
- Video Frame Rate: 30fps
- Video Format: MP4
- Dimensions: 125x52x94mm
- Weight : 350g
- Battery: 2x18500 or 2x 18650
- Voltage: 3.7v
- Conformity: CE, FCC, RoHs

Battery Selection & Operation

The VP200XTR uses 18650 or 18500 3.7v batteries.

- Please completely charge all batteries before using for the first time.
- Insert the batteries into the battery compartment with the correct positive electrode and negative electrode (as indicated in the battery compartment).

Rifle Scopes and Lens Coatings

The VP200XTR system functions, in night vision mode, with the use of infra-red light. The infra-red light is emitted from the front of the LCD screen & IR illuminator module.

In darkness the system relies on the camera module receiving as much infra-red light through the scope as possible.

Some scope manufacturers have a coating that reduces infra-red light passing through the scope optic. This coating improves the image visibility at low ambient light levels.

The VP200XTR system is not as effective with scope lenses that have such coatings.

To get the best use of the VP200XTR system, please use a scope that has a variable zoom feature with front or side parallax focus capability.

For further information please contact NITEVIZOR technical support.

Important Usage Information

- Please install batteries according to the advised polarity.
- Please use good quality batteries and remove the batteries when the device will not be used for longer than a few weeks.
- It is recommended to format the Micro SD-card which will be used for the device before using for the first time.
- Keep the device away from any heating and air conditioning vents or other heating devices, direct sunlight, and moisture.
- Always store the unit in its carrying case in a dry, well ventilated, space in temperature above +15°C(60°F). Do not store near heating devices. Do not store in direct sunlight or high humidity conditions (higher than 70%).

NOTE: The VP200XTR is a precision electronic device. Do not attempt to service this camera, LCR or IR illuminator yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.

FCC 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.

Shielded interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

Specifications and designs are subject to change without any notice or obligation on the part of the manufacturer.



Disposal of Electric and Electronic Equipment

(Applicable in the EU and other European countries with separate collection systems)

This equipment contains electric and/or electronic parts and must therefore not be disposed of as normal household waste. Instead, it should be disposed at the respective collection points for recycling provided by the communities. For you, this is free of charge.

If the equipment contains exchangeable (rechargeable) batteries, these too must be removed before and, if necessary, in turn be disposed of according to the relevant regulations (see also the respective comments in this unit's instructions). Further information about the subject is available at your community administration, your local waste collection company, or in the store where you purchased this equipment.





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