

TRIONYX - Points for better user experience.

TRIONYX is a new multispectral binoculars and is able to acquire image in several wavebands of spectral range (Visible(Digital), Near Infrared(Digital), Long-Wave Infrared(Thermal)).

Usage cases

Thermal imaging mode is good for detecting hot objects at long range up to 1000m. It can show the direction, where to go, to get closer to the game.

Digital mode is good for identifying object at close range and also good for checking the landscape otherwise invisible with thermal imaging. Shows distinctive features of animals allowing to better understand trophy value and features of landscape that can be dangerous while approaching the animal (ditches, puddles, wire fences, lying tree branches, etc.).

Fusion mode helps to find the animals at closer range in relation to the landscape. Shows exact position of the animal and surrounding objects.

Thermal



Digital Night Vision



Fusion Mode



Image optimizing procedure

1. Eyepiece adjustment is performed in a similar way to Accolade binoculars. Pushing the eyepieces towards each other and pulling them regulates interpupillary distance – Optimal image is achieved when there is no double image and the eyes are not trying to see the image from one or another eyepiece, but see one image without any straining.
2. Set diopters for your vision – separately for each eyepiece. Close one eye and observe image with the second eye. Rotate diopter adjustment ring on the eyepiece to achieve sharp vision of status bar icons (time, battery, etc). Perform the same step for another eye.
3. Focus image with a focusing knob located between the eyepieces.



IMPORTANT!!! Focusing knob performs distance focusing only for **DIGITAL** objective lens. Thermal objective lens is fixed and cannot be focused, so in order to focus the image, switch to **DIGITAL MODE**.



IMPORTANT!!! In **FUSION** mode the outlines of thermal image may not coincide with digital image of objects perfectly. This effect can be reduced by adjusting the focus. You can notice that when the focus is adjusted thermal image moves to cover the digital image of object.

Main controls



Switching between modes can be done by a short press of front button, located closer to objective lenses. Each mode has indication in status bar (on the left side – letter in a circle **T** (for Thermal) **D** (for Digital) or **F** (for Fusion))

Switching Sequence: Thermal – Digital – Fusion

Long press of the front button – activates modes which are specific for DIGITAL or THERMAL technology.

- Thermal mode – long press changes between modes Forest, Rocks, Identification, User Mode (indication in status bar)
- Digital Mode – long press activates IR Light sequentially from level 1 to 3 and then switches it Off.
- Fusion Mode – long press activates IR Light sequentially from level 1 to 3 and then switches it Off.



IMPORTANT!!! Switching IR influences the position of thermal image in FUSION mode. When Thermal image in FUSION mode coincides with digital image perfectly and then IR is switched ON you may see a slight change of alignment of thermal image, in this case use focus knob again to achieve perfect alignment with IR.



For TRIONYX IR On and IR Off status signifies different values of screen alignment , that's why refocusing can be necessary if IR is witched On or Off.



Short press of ZOOM button located closer to eyepieces enables zooming. Zooming up to 4x is done sequentially similar to other Pulsar devices (1x,2x,4x – next back to 1x). Switching between modes (Thermal, Digital, Fusion)) retains selected zoom level (however, since the value of optic magnification is different for thermal and digital or fusion mode the zoom will display various values of magnification for these modes in status bar).

Long press of button located closer to eyepieces enables specific modes:

- Thermal mode - long press - switching between White Hot palette and other selected palette.
- Digital mode - long press – switching On and Off Sunlight mode.
- Fusion mode - long press – switching On and Off Sunlight mode.

Power Button – turns the unit On/OFF, performs calibration in thermal mode, and activates Display Off mode. In Fusion mode, when calibration is performed, fusion image disappears for a short time.

Middle button with M sign – provides access to Quick Menu (short press) and Main menu (Long Press)



IMPORTANT!!! Main menu might have some function icons shown in grey color. In this case they are not active and cannot be accessed. The reason is these functions are not characteristic for selected image mode (Thermal, Digital and Fusion). In order to access them – switch to a different image mode.

REC Button with R sign – Turn on video recording or takes photo (Short press). To switch between photo and video mode this button has to be long pressed (the video icon in the top left corner will change to photo or back to video). To stop video recording, REC button has to be long pressed otherwise the video recording will be paused.

Battery extraction and loading

Push the battery latch from the housing. This action requires a reasonable amount of force and pushes the battery outside the unit's housing.



After the battery is released, pull it out from the housing.

Use reverse order of actions to put the battery in.