

HALO/HALO-LR TIPS and POINTERS

IMAGE OPTIMIZATION

Based on differing environmental conditions and general user preference, certain measures can be taken to optimize the image seen through the HALO/HALO-LR. All parameters related to image optimization are located in under **Menu -> Video Settings**.

BRIGHTNESS: Changes the brightness of the display.

CE Increasing Contrast Enhancement (CE) helps to distinguish fine image details in low thermal contrast conditions, but setting the value too high will lead to a grainy image. Setting the CE Level between 0- 2 works best for average conditions.

SHARPNESS Increasing image sharpness makes details of the image more pronounced but setting it too high may lead to loss of finer details.

GAMMA Changing the Gamma curve for the display will make the image appear darker or brighter. Gamma does not have any effect on image details. Default value is 1.

ROI Selects the most appropriate Region of Interest (ROI). For scanning, recommended setting ROI to Full. ROI ½ and ROI ¼ leads to the optimization of the image based, correspondingly, on the ½ or ¼ central part of the image. This will make the part of the image that is closer to the center look better but the peripheral parts of the image may become washed out.

CALIBRATION HALO/HALO-LR only supports manual calibration. Calibration is performed by completely covering the objective lens and holding down the CAL button until the image appears to reset itself.

MISCELLANEOUS

FOCUS HALO/HALO-LR scopes do not need to be focused. HALO/HALO-LR's fixed focus provides high quality imaging in most real-life scenarios without requiring user's attention.

DIOPTR ADJUSTMENT Adjust the focusing ring to achieve the best possible focus on the display screen. Make sure that the reticle is as sharp as possible.

MULTIPLE ZEROES Users can save up to four reticle positions by selecting one of the **Reticle Numbers** in the **Reticle Menu**. Each Reticle Number is saved with its Reticle Type and zeroing information. Performing a manual reset of the HALO/HALO-LR will not affect saved zeroes.

MENU ITEMS VISIBILITY Note that at high values of Contrast Enhancements (CE) and Sharpness settings, menu font may appear dim or blurred. It is recommended to decrease CE and Sharpness settings if this causes issues with clarity. We recommend setting CE and Sharpness values to 0-2 and only change them if it is necessary.

Menu fonts may be hard to read in Edge Detect mode (polarity). It is recommended to enter menu mode while in Black Hot or White Hot.

BATTERIES HALO/HALO-LR takes regular CR123 and rechargeable CR123 batteries. No additional adapters are required for use of rechargeable CR123 batteries. Not all rechargeable batteries are the same and some may not be able to hold recoil of your weapons. Please use reputable battery sources.

EXTERNAL POWER HALO/HALO-LR will work from any external USB power source (power banks/bricks, USB chargers, computer ports, as long as USB output is rated at least 1A).

VERTICAL LINES ON THE SCREEN AFTER THE STARTUP In some very rare cases, the user may observe vertical lines on the screen after the startup. This is related to the inner workings of the thermal imaging core. This is not considered a defect or failure of the system. To clean up the screen, simply cycle through the zoom from 1X to 2X to 4X and back to 1X and vertical lines will disappear.

RESTORE TO FACTORY SETTINGS Occasionally, the user may want to restore the HALO/HALO-LR to original factory settings. In some cases this may help to improve the image quality. To restore the unit, while it is On, press and hold the BR- switch for approximately 15 seconds until the unit turns off (image disappears). HALO/HALO-LR will return to original factory settings upon powering back up.

WE ARE HERE TO HELP If you have any questions about your HALO/HALO-LR thermal scope, or need help with configuring or troubleshooting, please contact us. We will be glad to help you get the most out of your HALO/HALO-LR.

You can email us at info@nvisionoptics.com or call 781-505-8360.