

HAWKEYE USER INSTRUCTIONS

For use on Crossbows, Rifles, and Shotguns



The Hawkeye by Omega Sights® is a day vision/night vision LCD Sight with an integrated continuous rangefinder and HD video camera. This device will provide the shooter with precision range finding and pinpoint accuracy while recording the experience for reviewing in-the-field or thereafter, time and time again.

The Hawkeye boasts such features as six independently adjustable cross hair reticles for setting at any distance commensurate with the weapon of choice. Additionally, the reticle color can be selected to any one of four colors to correspond with the time of day or environment one's background yields. The unit has a built-in inclinometer that determines one's shooting angle and calculates the angle compensation into the rangefinder. The focus knob permits custom adjustment to the collimating lens according to one's visual acuity. The screen can also be dimmed or brightened to address backlighting or an excessively lit environment.

The Hawkeye by Omega Sights® is compact, lightweight, and simple to use. It can fit and withstand recoil on most any weapon that uses a Picatinny or Weaver-type mounting rail, including rifles, both traditional, and assault type as well as for shotguns, and crossbows. Rechargeable integrated power supply permits hours of operation, and with the accessory power supply, ten extra hours of use can be enjoyed.

With so many features, we saved the best for last. The Hawkeye by Omega Sights® has its own integrated WIFI processor that can be used in conjunction with the free Omega Sights App, which can be downloaded from one's IOS or Android store to a personal cellular device, such as a cell phone or smart pad. This function, coined "Companion-Sharing" permits sharing one's field of view with a companion who may view live stream precisely the image viewed in the sight of the Hawkeye. Furthermore, it can be recorded and saved on the devices app and sent to family and friends so others may experience the video as well.


Power Source:

The Hawkeye by Omega Sights® can operate from 2 different power options:

- An encased rechargeable power supply integrated into the device- limited use approx. 2 hrs.
- A tethered 5000 mAh rechargeable cylindrical power bank (accessory sold separately)-approx. 10+hrs of additional power.

The Hawkeye will automatically change battery source, however, one must push the "power on" button on the accessory power bank to actuate the power.

Power On/OFF:

Press and hold this button  for 2 seconds to power on. Press and hold again for about 4 seconds to shut down. You may press the “R” (Ranging) button on the remote the same way to operate the unit, as well. The Rangefinder begins to range upon actuation of device and will range out to 1000+ m/yds continuously for 90 seconds before reverting to sleep-mode. Simply press the “R” button on the remote control or the power button one short push to re-actuate the rangefinder while in sleep-mode or to stop ranging.

To Change Reticle Color:

There are 4 colors to select from: Red Green, Black, and White.

To select the color preferred for time of day or background environment, short press the “M” button to select your preferred color.

To Power Zoom 1X to 4X:

Press the “+” button for each “zoom-in” level

Press the “-” button for each “zoom-out” level

•It should be noted, whatever zoom power is used to zero one’s weapon, that power should be used when shooting for accuracy. The other zoom powers are solely for better viewability.

To Determine True Target Distance from an elevated position

The Hawkeye by Omega Sights® displays an inclinometer on the left side of LCD screen. This depiction is the actual angle in degrees from the sight to the target and is automatically calculated in the Rangefinder as a true distance calculation. That digital indicator is there merely to display the actual angle of the target in relationship to the shooter. The true distance calculation is integrated into the rangefinder.

Yards or Meters


The Hawkeye by Omega Sights has two options, ranging in yards or meters. Once the unit is powered up, press and hold the “M” button for 3 seconds. Once the menu appears, simply press the “-” which is located at 6 o’clock on the key pad of the Hawkeye twice, the Unit of Measure is highlighted, then press “OK”. From here one may toggle between two units of measure, yards and meters by pressing the “-”.

Menu Selection:


Press and hold the “M” button down for approximately 3 seconds. The menu will appear on the LCD viewing screen. Using the “+/-” buttons, scroll to the preference item you would like to change and then press OK. There are 14 items listed including a selection for multiple different languages, a date and time stamp indicator, LCD brightness adjustment, video resolution selection, unit of measure, color, Audio-on/off, exposure, and of course six independent reticle adjustments for any distance desired for zeroing in one’s weapon.

Note: The Date/Time Stamp is only for naming the video file recorded. That data is not depicted in the video recording. Press and hold “M” button for 2 seconds to return to operating mode.

To Actuate and Terminate Video Recording:

Press the center button-video camera icon/OK  just one short press to start/stop video recording, or on the remote control press the “V” (Video) button once to start and to stop video recording.

To Playback a Recorded Video

Press and hold for 3 seconds the center button-video camera icon/OK  for just 3 seconds to access the last video recorded. Press the same button a short push to start/stop video playback.

Use “+/-” to scroll through all videos. Press “OK” to select and play video.

To Exit Video Playback: short press the “-” once, then press the “OK” button once for two seconds. This will take you back to default viewing screen.

To Actuate Night Vision:



Short Press the NV button for “On/Off” operation. The Screen will go from color to black and white and “NV” will appear displayed on the LCD screen indicating Night Visio.

Note: The IR flashlight (Accessory) is required for night vision operation. The other features operate the same as in non-Night Vision mode. At closer ranges, when range finding, one may see a dim flashing on the LCD from the IR beam. This will diminish when rangefinder discontinues.

To Use WIFI:

First, go to you IOS or Android APP store and download the free APP, “OMEGA SIGHT”. This App has been designed specifically for use with Hawkeye by Omega Sights.

Once downloaded follow these instructions:

Press and hold the NV/ button for 3 seconds. When WIFI is actuated, the WIFI icon  will appear on the LCD Screen in red.

Next, open your personal cellular device settings. Go to WIFI. Be sure WIFI is turned on and search for WIFI connections. Your WIFI will list nearby connections. Seek one that says “Onlook” followed by numbers and letters. Click on that WIFI source. A password will be required. That password is 12345678. The icon on the screen in the Hawkeye’s viewfinder will change from red to blue once connected.

Next, go to and open the “Omega Sights” App. Click on the “Connect Camera” icon at bottom of page. The cellular device (PCD) will then link to the Hawkeye to your device and one can view what the Hawkeye camera sees, record video, take still pictures from their PCD, and store them in created folders.

To Zero Your Weapon:

Note: The small dot in line on the upper portion of the vertical axis and centered in the middle of the LCD screen is actually your rangefinder focal point. It does not move and remains centered on the LCD screen even when moving reticle crosshair positions.

Press “M” and hold for 3 seconds. Menu will appear on LCD screen. Using buttons atop the Hawkeye press the “-” icon, once to highlight “Reticle Adjustment,” then press “OK.” The letters “RA” (Reticle Adjustment) will appear on the LCD screen indicating you can move each reticle starting with top crosshair reticle that will begin blinking.

Moving the reticle can be achieved by using the “+/-” buttons to move vertically along the axis. With each short push of “+” button the reticle will move upward along the vertical axis. With each short push of the “-”

the reticle will move downward along the vertical axis. Once the desired position is achieved, press OK once. The next reticle down will begin blinking, repeat the process.

Note: *One may record where each horizontal reticle falls on the vertical axis (Y axis) as it is digitally indicated on the LCD when adjusting reticles. This is great when moving the Hawkeye to other weapons so when placing back on one's original zeroed weapon one can move the reticles to their noted designated locations on the Y axis without having to sight in all the reticle. The top reticle may require adjustment, especially if the elevation turret and windage screw have been moved for another weapon.*

First, from no more than 10 yards, use your elevation turret and your windage screw to sight-in using the top reticle. Once the crosshairs on the top reticle are clearly achieving bullseyes. Now step back to 20 yards and place that top reticle that was just used to zero at 10 yards, on the bullseye again. Shoot. Note wherever the second shot hits, this is where you will place the next reticle down from the previous and place that crosshair directly on that point of impact. Repeat with other reticles for any distance required.

Once zeroing is achieved press OK, then to exit press the "M" one short push, and then press the "M" button a second time for and hold for two seconds. You will exit to the default screen where you will be viewing and ranging.

Note:

- Humidity, snow, dust, or other airborne particulates will diffuse the rangefinder signal.
- Higher temperature and higher pressure (lower elevation) slightly decrease the speed of light.
- Smaller and less reflective targets return less information.

WARNING: Although the Laser used in the Hawkeye, is a Class 3a safety rating, direct eye contact should always be avoided.



For Questions or Inquiries, please email info@omegasights.com.

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