

- Compact and lightweight
- High aperture germanium lens
- Detection distance up to 1400 m
- Built-in LRF
- 1000m accurate laser distance measurement
- User friendly menu
- OLED high performance display
- Built-in Photo and Video recording
- Wi-Fi support
- Withstands the recoil of large caliber weapons
- Automatic silent calibration
- Electronic compass and motion sensor



The ALPHA OPTICS TW34 LRF thermal imaging weapon sights are the next generation of the compact thermal devices with the extended functionality of electronic parts and presence of a built-in laser rangefinder. Displaying the thermal differences in the scene, the high-performance thermal imaging system of the device provides round-the-clock, all-weather detection and discrimination of heat-generating objects, including those that are hidden. It could be mounted on head or helmet or could be intended for use as a handheld device.

The sight is designed with the shutter-less calibration technology enabling quick start and continuous image without stops and delays. The specially developed control electronics of the device works without complicated menu. Ballistic corrections and four memory slots enable saving zeroing profiles for different distances and different types of ammunition. The TW34 LRF is effective at close and long ranges regardless of light and weather conditions, such as in total darkness or through smoke, haze, fog, and light rain.

**Standard accessories:** Soft Carrying Case; Lens Cleaning Tissue; Weapon Mount; Video Cable; Lens Cap; Eyecup; Batteries; External Power Supply Cable; Anti-Fog Lens Swabs

**Optional accessories:** External Power Supply; Lens Cleaning Kit; Hard Storage Case

Sensor Type	VOx uncooled
Resolution, pixels	384 X 288
NETD, mK	≤35
Frame Refresh Rate, Hz	50
Pixel Size, μm	12
Optical Magnification (x)	3.3 - 13
E-zoom	2x, 4x
Lens System	35 mm; F/1.0
Field of view (H x V)	7.5° × 5.7°
Focus	Manual, from 5m to infinity
Dioptric Adjustment	from -5 to +5
Eye Relief, mm	50
Detection Distance, m	1400
Recognition Distance, m	700
Type	OLED
Resolution, pixels	1440x1080
Recording Memory (optional)	32 Gb
Image Correction	Auto / Manual
Image Transmission	Real time image transmission, photography, video
Palette	White heat, black heat, iron red, red heat, forests
Cross Reticle	YES
Hot Spot Tracking	YES
Built-in LRF	YES
Wavelength, nm	905
Measuring Range, m	10 - 1000
Measurement Accuracy, m	± 1
Battery Type	26500 (1)
Battery Life at 25°C, hrs	>5
External Power Supply	DC5V/2A
Environmental Rating	IPX6
Operating Temperature	-30°C to +55°C
Max Impact Load, g/ms	800
Dimensions, mm	190 x 110 x 65
Weight with Batteries, kg	0.582