

- Works as clip-on and standalone weapon sight
- High aperture germanium lens
- Detection distance up to 1600 m
- 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 TWC34 Thermal Imaging Universal Clip-On Weapon Sight is the next generation of the compact thermal devices and can work as a Clip-On System or Standalone Weapon Sight. 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 device has two interchangeable eyepiece – for clip-on and weapon sight modes. The innovative two-power supply design makes it easy to shoot in different conditions. No need to disconnect power when replacing batteries.

Standard accessories: Clip-on Eyepiece, Weapon Sight Eyepiece; 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

Specifications

Sensor Type	VOx uncooled
Resolution, pixels	384 X 288
NETD, mK	≤20
Frame Refresh Rate, Hz	50
Pixel Size, μm	12
Eyepiece Magnification	3 x
Basic Magnification	
Clip-On	1 x
Standard	3.25 x
Digital Zoom	1 - 8 x
Lens System	35 mm; F/1.0
Field of view (H x V)	7.5° × 5.7°
Focus	Manual, from 5m to infinity
Dioptic Adjustment	from -5 to +5
Exit Pupil Diameter, mm	
Clip-On	10
Standard	6
Exit Pupil Distance, mm	
Clip-On	46
Standard	50
Detection Distance, m	1600
Recognition Distance, m	800
Type	OLED
Resolution, pixels	1440x1080
Recording Memory (optional)	32 Gb
Image Correction	Auto / Manual
Image Transmission	Real time image transmission, photography, video
Palette	Black/White/Green/Iron/Red Hot
Cross Reticle	YES
Hot Spot Tracking	YES
PIP	YES
Bad Pixel correction	YES
Battery Type	CR123 (1) or RCR123 (1)
Battery Life at 25°C, hrs	>4
Environmental Rating	IPX7
Operating Temperature	-30°C to +55°C
Max Impact Load, g/ms	800
Dimensions, mm	
Clip-On	187.5×70×83.4
Standard	220×70×83.4
Weight with Batteries, kg	0.515



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Universal Thermal Imaging Clip-On Weapon Sight