

Alpha Optics AO-1462/1464/1465

Multipurpose Thermal Imaging Monocular by Alpha Optics



The Alpha Optics AO-1462/1464/1465 multipurpose thermal imaging monocular is intended for use as a handheld, head/helmet mounted device. It could be mounted on a weapon as well. 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. The device 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 AO-1462/1464/1465 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.

Features: High-aperture F/1.0 lens with fixed focus from 10 m to infinity; waterproof and Nitrogen purged; compact and lightweight; user friendly menu; option of external power supply; video output; option of detachable laser rangefinder

Standard accessories: Lens tissue, soft case, lens cup, batteries; external power supply cable

Optional accessories: external power supply; video recorder; laser rangefinder; weapon mount; hard waterproof carrying/storage case; OTIS lens swabs, lens cleaning kit

Specifications:

SPECIFICATION	AO-1462	AO-1464	AO-1465
Thermal Image Core	640 x 480, 17 μ m		
Spectral Range	from 7.5 to 14 μ m		
Frequency	25 Hz	25 Hz	50 Hz
Sensitivity	< 50 mK		
Calibration	electronic, silent		
Lens System	25 mm; F/1.0	40 mm; F/1.0	50 mm; F/1.0
Field of view (H x W)	23.5° x 18.1°	15.2° x 11.5°	12.3° x 9.3°
Optical Magnification	1.3x	2.0x	2.5x
Lens Focus	Fixed from 10m to infinity		
Pace of Correction (100m)	5.7 cm	3.5 cm	2.5 cm
Eye Relief	25 mm		
Diopter Adjustment	-5 to +5 dpt		
Display	AMOLED 800 x 600		
Battery Type	Two CR123A , or two CR123 Rechargeable		
Battery Life	Up to 5 hours at 25°C		
Operating Temperature	from -30°C to +50°C		
Environmental Rating	IP67		
Maximum impact load	500 g		
Dimensions (L x W x H)	165 x 65 x 52 mm	195 x 72 x 55 mm	189 x 74 x 57 mm
Weight	480 g	580 g	710 g

**Specifications are subject to change without notice. Images are for illustration purposes only*