

ALPHA OPTICS TG32 ALPHA OPTICS TG62

Thermal Imaging Goggles



- High-aperture F/1.0 lens with fixed focus from 5 m to infinity
- Waterproof and nitrogen purged
- Compact and lightweight
- Automatic silent calibration

- User friendly menu
- Max detection distance up to 2200m
- Option of external power supply
- Video output

The ALPHA OPTICS TG32 and ALPHA OPTICS TG62 thermal imaging goggles are one of the most advanced goggles and could be mounted on head or helmet or could be intended for use as a handheld device. 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 goggles are designed with the shutter-less calibration technology enabling quick start and continuous image without stops and delays. One of the novelties of this device is the encoder knob designed to adjust image on the spot depending on the environment. The device has grippy enclosure convenient for both hands and has only four control elements. Relatively large buttons are conventionally located to be used with heavy gloves. The ALPHA OPTICS TG32 and TG62 are 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.



ALPHA OPTICS TG32 ALPHA OPTICS TG62

Thermal Imaging Goggles

Second	SPECIFICATIONS	ALPHA OPTICS TG32	ALPHA OPTICS TG62
Separation Se	SENSOR		
ETD, mK <50 ame Refresh Rate, Hz 50 25 cel Size, μm 17 PTICAL SPECIFICATIONS otical Magnification (x) 1.6 1 opital Zoom (x) 2 / 4 19 mm;F/1.0 eld of view (H x V) 19.0° × 14.5° 29.8° × 23.0 cus Manual, from 5m to infinity optric Adjustment from -5 to +5 5 e Relief, mm 25 SPLAY pe AMOLED esolution, pixels 800x600 PERATIONAL SPECIFICATIONS ttery Type CR123A (2pcs) ttery Life at 25°C, hrs 5	Sensor Type	uncooled	uncooled
ame Refresh Rate, Hz 50 25 xel Size, μm 17 allibration electronic, silent PTICAL SPECIFICATIONS 1 otical Magnification (x) 1.6 1 otical Magnification (x) 1.6 1 system 19 mm;F/1.0 19 mm;F/1.0 eld of view (H x V) 19.0° × 14.5° 29.8° × 23.0 cus Manual, from 5m to infinity optric Adjustment from -5 to +5 e Relief, mm 25 SPLAY AMOLED pe AMOLED esolution, pixels 800x600 PERATIONAL SPECIFICATIONS CR123A (2pcs) ttery Type CR123A (2pcs) ttery Life at 25°C, hrs 5	Resolution, pixels	384 X 288	640 X 480
Rel Size, µm 17 Alibration electronic, silent PTICAL SPECIFICATIONS Otical Magnification (x) 1.6 1 gital Zoom (x) 2 / 4 19 mm;F/1.0 eld of view (H x V) 19.0° × 14.5° 29.8° × 23.2 cus Manual, from 5m to infinity optric Adjustment from -5 to +5 e Relief, mm 25 SPLAY pe AMOLED esolution, pixels 800x600 PERATIONAL SPECIFICATIONS attery Type CR123A (2pcs) ottery Life at 25°C, hrs 5	NETD, mK	<50	
PTICAL SPECIFICATIONS	Frame Refresh Rate, Hz	50	25
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otical Magnification (x) 1.6 1 otical Zoom (x) 2 / 4 ns System 19 mm;F/1.0 oeld of view (H x V) 19.0° × 14.5° 29.8° × 23.3 ous Manual, from 5m to infinity optric Adjustment from -5 to +5 ee Relief, mm 25 SPLAY pe AMOLED esolution, pixels 800x600 PERATIONAL SPECIFICATIONS attery Type CR123A (2pcs) attery Life at 25°C, hrs 5	Calibration	electronic, silent	
2 / 4 19 mm;F/1.0 19 mm;F/1.0 19.0° × 14.5° 29.8° × 23.20 29.8°	OPTICAL SPECIFICATIONS		
19 mm;F/1.0 ald of view (H x V) cus Manual, from 5m to infinity potric Adjustment e Relief, mm 25 SPLAY pe AMOLED esolution, pixels PERATIONAL SPECIFICATIONS attery Type CR123A (2pcs) ttery Life at 25°C, hrs 5 19 mm;F/1.0 29.8° × 23.2 29.8° × 23.2 29.8° × 23.2 Amount from -5 to +5 25 AMOLED 800x600	Optical Magnification (x)	1.6	1
19.0° × 14.5° 29.8° × 23.20	Digital Zoom (x)	2/4	
Manual, from 5m to infinity reptric Adjustment from -5 to +5 re Relief, mm 25 SPLAY pe AMOLED resolution, pixels 800x600 PERATIONAL SPECIFICATIONS rettery Type CR123A (2pcs) rettery Life at 25°C, hrs 5	Lens System	19 mm;F/1.0	
pptric Adjustment from -5 to +5 e Relief, mm 25 SPLAY pe AMOLED esolution, pixels 800x600 PERATIONAL SPECIFICATIONS ettery Type CR123A (2pcs) ettery Life at 25°C, hrs 5	Field of view (H x V)	19.0° × 14.5°	29.8° × 23.2°
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pe AMOLED solution, pixels 800x600 PERATIONAL SPECIFICATIONS Ittery Type CR123A (2pcs) Ittery Life at 25°C, hrs 5	Eye Relief, mm	25	
PERATIONAL SPECIFICATIONS Ittery Type CR123A (2pcs) Ittery Life at 25°C, hrs 5	DISPLAY		
PERATIONAL SPECIFICATIONS Ittery Type CR123A (2pcs) Ittery Life at 25°C, hrs 5	Туре	AMOLED	
ttery Type CR123A (2pcs) ttery Life at 25°C, hrs 5	Resolution, pixels	800x600	
ttery Life at 25°C, hrs 5	OPERATIONAL SPECIFICATION	ONS	
·	Battery Type	CR123A (2pcs)	
vironmental Pating	Battery Life at 25°C, hrs	5	
Wildline Halling IPA/	Environmental Rating	IPX7	
perating Temperature -30°C to +50°C	Operating Temperature	-30°C to +50°C	
mensions, mm 115 x 155 x 95	Dimensions, mm	115 x 155 x 95	
eight with Batteries, kg 0.41	Weight with Batteries, kg	0.41	

Standard accessories: Soft Carrying Case; Lens Cleaning Tissue; Video Cable; Lens Cover; Eyecups; Batteries; External Power Supply Cable; Hard Storage Case

Optional accessories: Video Recorder; Head Mount; Helmet Mount; Objective Lenses - 50mm, 75mm, 100mm; Anti-Fog Lens Swabs; Anti-Fog Lens Cleaner; Lens Cleaning Kit