



- 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

SPECIFICATIONS	ALPHA OPTICS TG32	ALPHA OPTICS TG62
<b>SENSOR</b>		
Sensor Type	uncooled	uncooled
Resolution, pixels	384 X 288	640 X 480
NETD, mK		<50
Frame Refresh Rate, Hz	50	25
Pixel Size, $\mu\text{m}$		17
Calibration	electronic, silent	
<b>OPTICAL SPECIFICATIONS</b>		
Optical Magnification (x)	1.6	1
Digital Zoom (x)		2 / 4
Lens System	19 mm;F/1.0	
Field of view (H x V)	19.0° x 14.5°	29.8° x 23.2°
Focus	Manual, from 5m to infinity	
Dioptric Adjustment	from -5 to +5	
Eye Relief, mm	25	
<b>DISPLAY</b>		
Type	AMOLED	
Resolution, pixels	800x600	
<b>OPERATIONAL SPECIFICATIONS</b>		
Battery Type	CR123A (2pcs)	
Battery Life at 25°C, hrs	5	
Environmental Rating	IPX7	
Operating Temperature	-30°C to +50°C	
Dimensions, mm	115 x 155 x 95	
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